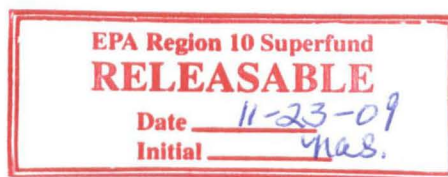


Brix Maritime Company Response to EPA's 104(e) Information Request

Entire response Releasable



DOD Hazardous Materials Information System
DoD 6050.5-L
AS OF July 1998

FSC: 8010
NIIN: 00N032075
Manufacturer's CAGE: 11111
Part No. Indicator: B
Part Number/Trade Name: 120 BRUSHING THINNER, 12120

=====

General Information

=====

Item Name:
Company's Name: PETTIT PAINT
Company's Street: 36 PINE ST
Company's P. O. Box:
Company's City: ROCKAWAY
Company's State: NJ
Company's Country: US
Company's Zip Code: 07866
Company's Emerg Ph #: 800-548-2700;800-424-9300(CHEMTREC)
Company's Info Ph #: 201-625-3100
Distributor/Vendor # 1:
Distributor/Vendor # 1 Cage:
Distributor/Vendor # 2:
Distributor/Vendor # 2 Cage:
Distributor/Vendor # 3:
Distributor/Vendor # 3 Cage:
Distributor/Vendor # 4:
Distributor/Vendor # 4 Cage:
Safety Data Action Code:
Safety Focal Point: N
Record No. For Safety Entry: 002
Tot Safety Entries This Stk#: 002
Status: SMJ
Date MSDS Prepared: 01NOV91
Safety Data Review Date: 10APR96
Supply Item Manager:
MSDS Preparer's Name: C.A. HOPE
Preparer's Company: SAME
Preparer's St Or P. O. Box:
Preparer's City:
Preparer's State:
Preparer's Zip Code:
Other MSDS Number:
MSDS Serial Number: BZPXF
Specification Number:
Spec Type, Grade, Class:
Hazard Characteristic Code:
Unit Of Issue:
Unit Of Issue Container Qty:
Type Of Container:
Net Unit Weight:

Report for NIIN: 00N032075

NRC/State License Number:
Net Explosive Weight:
Net Propellant Weight-Ammo:
Coast Guard Ammunition Code:

=====

Ingredients/Identity Information


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=====
Proprietary: NO
Ingredient: SOLVENT NAPHTHA (PETROLEUM) MEDIUM ALIPHATIC; (AROMATIC &
ALIPHATIC SOLVENT NAPHTHA)
Ingredient Sequence Number: 01
Percent: 100
Ingredient Action Code:
Ingredient Focal Point: N
NIOSH (RTECS) Number: 1003692SN
CAS Number: 64742-88-7
OSHA PEL: N/K (FP N)
ACGIH TLV: N/K (FP N)
Other Recommended Limit: N/K
-----
Proprietary: NO
Ingredient: SUPDAT:EFTS FROM OVEREXP TO THIS MATL. TREATMENT SHOULD BE
DIRECTED AT THE CONTROL OF SYMPS & THE CLINICAL CNDTN.
Ingredient Sequence Number: 02
Percent: N/K
Ingredient Action Code:
Ingredient Focal Point: N
NIOSH (RTECS) Number: 9999999ZZ
CAS Number:
OSHA PEL: NOT APPLICABLE
ACGIH TLV: NOT APPLICABLE
Other Recommended Limit: N/K
-----
Proprietary: NO
Ingredient: SPILL PROC:MATLS. THIS PROD RELS INTO ENVIRON MUST BE REPORTED
TO THE NRC (1-800-424-8802). WHEN THIS PROD IS (ING 4)
Ingredient Sequence Number: 03
Percent: N/K
Ingredient Action Code:
Ingredient Focal Point: N
NIOSH (RTECS) Number: 9999999ZZ
CAS Number:
OSHA PEL: NOT APPLICABLE
ACGIH TLV: NOT APPLICABLE
Other Recommended Limit: N/K
-----
Proprietary: NO
Ingredient: ING 3:SPILLED OR LEAKED, THE REPORTABLE QUANTITY IS 100 LBS OR
MORE.
Ingredient Sequence Number: 04
Percent: N/K
Ingredient Action Code:
Ingredient Focal Point: N

Report for NIIN: 00N032075

NIOSH (RTECS) Number: 9999999ZZ
CAS Number:
OSHA PEL: NOT APPLICABLE
ACGIH TLV: NOT APPLICABLE
Other Recommended Limit: N/K
-----
Proprietary: NO
Ingredient: OTHER PREC:FROM PHYSICAL DMG. KEEP CNTNRS CLSD WHEN MATL IS
NOT IN USE. MAINTAIN GOOD HOUSEKEEPING. GROUND & BOND(ING 6)
Ingredient Sequence Number: 05
Percent: N/K

```

Ingredient Action Code:
Ingredient Focal Point: N
NIOSH (RTECS) Number: 9999999ZZ
CAS Number:
OSHA PEL: NOT APPLICABLE
ACGIH TLV: NOT APPLICABLE
Other Recommended Limit: N/K

Proprietary: NO
Ingredient: ING 5:DRUMS. DO NOT USE PRESS TO EMPTY DRUMS. KEEP AWAY FROM
HEAT & OPEN FLAME. DO NOT USE W/OUT FULLY (ING 7)
Ingredient Sequence Number: 06
Percent: N/K
Ingredient Action Code:
Ingredient Focal Point: N
NIOSH (RTECS) Number: 9999999ZZ
CAS Number:
OSHA PEL: NOT APPLICABLE
ACGIH TLV: NOT APPLICABLE
Other Recommended Limit: N/K

Proprietary: NO
Ingredient: ING 6:UNDERSTANDING REACTIVITY DATA SECTION. CAUTION: COMBUST
LIQ & VAP. HARMFUL IF INHALED/SWALLOWED. MAY CAUSE (ING 8)
Ingredient Sequence Number: 07
Percent: N/K
Ingredient Action Code:
Ingredient Focal Point: N
NIOSH (RTECS) Number: 9999999ZZ
CAS Number:
OSHA PEL: NOT APPLICABLE
ACGIH TLV: NOT APPLICABLE
Other Recommended Limit: N/K

Proprietary: NO
Ingredient: ING 7:IRRIT TO SKIN & EYES. USE W/ADEQ VENT. EMPTY CNTNRS MAY
RETAIN PROD RESIDUE INCL FLAMM/EXPLO VAPS. DO NOT (ING 9)
Ingredient Sequence Number: 08
Percent: N/K
Ingredient Action Code:
Ingredient Focal Point: N
NIOSH (RTECS) Number: 9999999ZZ

Report for NIIN: 00N032075

CAS Number:
OSHA PEL: NOT APPLICABLE
ACGIH TLV: NOT APPLICABLE
Other Recommended Limit: N/K

Proprietary: NO
Ingredient: ING 8:CUT, DRILL, GRIND/WELD ON/NEAR FULL, PARTIALLY FULL/
EMPTY PROD CNTNRS. DO NOT USE UNTIL MFR'S PRECS HAVE (ING 10)
Ingredient Sequence Number: 09
Percent: N/K
Ingredient Action Code:
Ingredient Focal Point: N
NIOSH (RTECS) Number: 9999999ZZ
CAS Number:
OSHA PEL: NOT APPLICABLE
ACGIH TLV: NOT APPLICABLE

Other Recommended Limit: N/K

Proprietary: NO
 Ingredient: ING 9:BEEN READ & UNDERSTOOD.
 Ingredient Sequence Number: 10
 Percent: N/K
 Ingredient Action Code:
 Ingredient Focal Point: N
 NIOSH (RTECS) Number: 9999999ZZ
 CAS Number:
 OSHA PEL: NOT APPLICABLE
 ACGIH TLV: NOT APPLICABLE
 Other Recommended Limit: N/K

Proprietary: NO
 Ingredient: RESP PROT:APPROVED AIR PURIFYING OV/FILTER UNITS OK.
 Ingredient Sequence Number: 11
 Percent: N/K
 Ingredient Action Code:
 Ingredient Focal Point: N
 NIOSH (RTECS) Number: 9999999ZZ
 CAS Number:
 OSHA PEL: NOT APPLICABLE
 ACGIH TLV: NOT APPLICABLE
 Other Recommended Limit: N/K

Proprietary: NO
 Ingredient: VENT:BELOW FLAMM VAP CONCS. LOC EXHST IS NEC FOR USE IN
 ENCLSD/CONFINED SPACES. SEE OSHA REQUIREMENTS/NIOSH (ING 13)
 Ingredient Sequence Number: 12
 Percent: N/K
 Ingredient Action Code:
 Ingredient Focal Point: N
 NIOSH (RTECS) Number: 9999999ZZ
 CAS Number:
 OSHA PEL: NOT APPLICABLE
 ACGIH TLV: NOT APPLICABLE

Report for NIIN: 00N032075

Other Recommended Limit: N/K

Proprietary: NO
 Ingredient: ING 12:PUBLICATION 87-113 "....CONFINED SPACES".
 Ingredient Sequence Number: 13
 Percent: N/K
 Ingredient Action Code:
 Ingredient Focal Point: N
 NIOSH (RTECS) Number: 9999999ZZ
 CAS Number:
 OSHA PEL: NOT APPLICABLE
 ACGIH TLV: NOT APPLICABLE
 Other Recommended Limit: N/K

Proprietary: NO
 Ingredient: PROT GLOVES:GLOVES (HEAVY DUTY NEOPRENE/EQUAL). PERMEATION/
 DEGRADATION VALUES OF CHEM MIXTS CANNOT BE PREDICTED (ING 15)
 Ingredient Sequence Number: 14
 Percent: N/K
 Ingredient Action Code:
 Ingredient Focal Point: N

NIOSH (RTECS) Number: 9999999ZZ
 CAS Number:
 OSHA PEL: NOT APPLICABLE
 ACGIH TLV: NOT APPLICABLE
 Other Recommended Limit: N/K

Proprietary: NO
 Ingredient: ING 14:FROM PURE COMPONENTS/CHEM CLASSES. THUS, THESE MATLS
 ARE NORMALLY BEST ESTIMATES BASED ON AVAIL PURE (ING 16)
 Ingredient Sequence Number: 15
 Percent: N/K
 Ingredient Action Code:
 Ingredient Focal Point: N
 NIOSH (RTECS) Number: 9999999ZZ
 CAS Number:
 OSHA PEL: NOT APPLICABLE
 ACGIH TLV: NOT APPLICABLE
 Other Recommended Limit: N/K

Proprietary: NO
 Ingredient: ING 15:COMPONENT DATA. SIGNIFICANT DIFF IN CHEM BREAKTHROUGH
 TIME HAS BEEN REPORTED FOR GENERICALLY SIMILAR (ING 17)
 Ingredient Sequence Number: 16
 Percent: N/K
 Ingredient Action Code:
 Ingredient Focal Point: N
 NIOSH (RTECS) Number: 9999999ZZ
 CAS Number:
 OSHA PEL: NOT APPLICABLE
 ACGIH TLV: NOT APPLICABLE
 Other Recommended Limit: N/K

Report for NIIN: 00N032075

Proprietary: NO
 Ingredient: ING 16:GLOVES FROM DIFFERENT MANUFACTURERS.
 Ingredient Sequence Number: 17
 Percent: N/K
 Ingredient Action Code:
 Ingredient Focal Point: N
 NIOSH (RTECS) Number: 9999999ZZ
 CAS Number:
 OSHA PEL: NOT APPLICABLE
 ACGIH TLV: NOT APPLICABLE
 Other Recommended Limit: N/K

Proprietary: NO
 Ingredient: EYE PROT:& FULL LENGTH FACESHIELD (FP N).
 Ingredient Sequence Number: 18
 Percent: N/K
 Ingredient Action Code:
 Ingredient Focal Point: N
 NIOSH (RTECS) Number: 9999999ZZ
 CAS Number:
 OSHA PEL: NOT APPLICABLE
 ACGIH TLV: NOT APPLICABLE
 Other Recommended Limit: N/K

Proprietary: NO
 Ingredient: OTHER PROT EQUIP:FOOTWEAR. DEPENDING ON WORKING CNDTNS, I.E.,

CONT POTNTL, WEAR RESIST PROT GARMENTS SUCH AS (ING 2)

Ingredient Sequence Number: 19

Percent: N/K

Ingredient Action Code:

Ingredient Focal Point: N

NIOSH (RTECS) Number: 9999999ZZ

CAS Number:

OSHA PEL: NOT APPLICABLE

ACGIH TLV: NOT APPLICABLE

Other Recommended Limit: N/K

Proprietary: NO

Ingredient: ING 19:HEAD/NECK COVER, APRONS, JACKETS, PANTS, COVERALLS, BOOTS, ETC.

Ingredient Sequence Number: 20

Percent: N/K

Ingredient Action Code:

Ingredient Focal Point: N

NIOSH (RTECS) Number: 9999999ZZ

CAS Number:

OSHA PEL: NOT APPLICABLE

ACGIH TLV: NOT APPLICABLE

Other Recommended Limit: N/K

Proprietary: NO

Ingredient: HYGIENE PRACT:TOBACCO PRODS/REST ROOMS. DO NOT WEAR CONTAM CLTHG. DISCARD CONTAM FOOTWEAR. DO NOT WEAR CONTACT (ING 22)

Report for NIIN: 00N032075

Ingredient Sequence Number: 21

Percent: N/K

Ingredient Action Code:

Ingredient Focal Point: N

NIOSH (RTECS) Number: 9999999ZZ

CAS Number:

OSHA PEL: NOT APPLICABLE

ACGIH TLV: NOT APPLICABLE

Other Recommended Limit: N/K

Proprietary: NO

Ingredient: ING 21:LENS W/OUT PROPER EYE PROTECTION WHEN USING THIS PRODUCT.

Ingredient Sequence Number: 22

Percent: N/K

Ingredient Action Code:

Ingredient Focal Point: N

NIOSH (RTECS) Number: 9999999ZZ

CAS Number:

OSHA PEL: NOT APPLICABLE

ACGIH TLV: NOT APPLICABLE

Other Recommended Limit: N/K

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Physical/Chemical Characteristics

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Appearance And Odor: LIQUID W/TYPICAL SOLVENT ODOR.

Boiling Point: >320F,>160C

Melting Point: N/A

Vapor Pressure (MM Hg/70 F): N/K

Vapor Density (Air=1): >1

Specific Gravity: 0.85 (FP N)

Decomposition Temperature: N/K
 Evaporation Rate And Ref: <1 (ETHER=1)
 Solubility In Water: NEGLIGIBLE
 Percent Volatiles By Volume: 100
 Viscosity:
 pH: N/A
 Radioactivity:
 Form (Radioactive Matl):
 Magnetism (Milligauss):
 Corrosion Rate (IPY): N/K
 Autoignition Temperature:

=====

Fire and Explosion Hazard Data

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Flash Point: 122F,50C
 Flash Point Method: TCC
 Lower Explosive Limit: N/K
 Upper Explosive Limit: N/K
 Extinguishing Media: USE CARBON DIOXIDE, DRY CHEM, WATER SPRAY, ALCOHOL/
 UNIVERSAL TYPE FOAMS AS PER MFR'S RECS. WATER MAY BE INEFFECTIVE.
 Special Fire Fighting Proc: USE NIOSH/MSHA APPROVED SCBA & FULL PROTECTIVE
 EQUIPMENT (FP N). USE WATER TO COOL FIRE-EXPOSED CONTAINER, STRUCTURE OR

Report for NIIN: 00N032075

PROTECT PERSONNEL.
 Unusual Fire And Expl Hazrds: HEAT/FIRE CNDTNS:VAPS FORM FLAMM/EXPLO MIXTS
 IN AIR. VAPS HEAVY, MAY TRAVEL (GROUND, PIT, SEWERS) TO IGNIT SOURCE-FLASH.
 OPEN/CLSD CNTNRS MAY CONTAIN (SUPDAT)

=====

Reactivity Data

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Stability: YES
 Cond To Avoid (Stability): AVOID HEAT, SPARKS & OPEN FLAMES.
 Materials To Avoid: AVOID OXIDIZING AGENTS.
 Hazardous Decomp Products: CARBON MONOXIDE, CARBON DIOXIDE UPON THERMAL
 DECOMPOSITION.
 Hazardous Poly Occur: NO
 Conditions To Avoid (Poly): NOT RELEVANT

=====

Health Hazard Data

=====

LD50-LC50 Mixture: NONE SPECIFIED BY MANUFACTURER.
 Route Of Entry - Inhalation: YES
 Route Of Entry - Skin: YES
 Route Of Entry - Ingestion: YES
 Health Haz Acute And Chronic: EYE:DIRECT CONTACT W/LIQUID OR VAPOR MAY
 CAUSE IRRITATION. SKIN:PROLONGED &/OR REPEATED CONTACT MAY CAUSE DEFATTING
 CHARACTERIZED BY REDNESS, CRACKING, BLISTERING, IRRITATION & DERMATITIS.
 INHALATION:INHALATION OF HIGH CONCENTRATIONS OF VAPORS MAY CAUSE
 RESPIRATORY TRACT IRRITATION & CENTRAL NERVOUS (EFTS OF OVEREXP)
 Carcinogenicity - NTP: NO
 Carcinogenicity - IARC: NO
 Carcinogenicity - OSHA: NO
 Explanation Carcinogenicity: NOT RELEVANT
 Signs/Symptoms Of Overexp: HLTH HAZ:SYSTEM DEPRESS CHARACTERIZED BY HDCH,
 WEAKNESS, DIZZ, INCOORDINATION & POSSIBLE COLLAPSE. INGESTION:MAY CAUSE
 GASTROINTESTINAL DISTURBANCES SUCH AS NAUSEA, VOMITING, DIARRHEA & EFFECTS
 SIMILAR TO THOSE DESCRIBED UNDER INHALATION. ASPIRATION OF THIS PRODUCT
 INTO LUNG MAY CAUSE CHEM PNEUM WHICH CAN BE FATAL.
 Med Cond Aggravated By Exp: INDIVIDUALS W/PRE-EXISTING DISEASE IN/ HISTORY

OF AILMENTS INVOLVING SKIN, EYE, RESP TRACT, LIVER, KIDNEY, CNS ARE AT A GREATER THAN NORMAL RISK OF DEVELOPING ADVERSE EFTS WHEN EXPOS TO THIS MATL.

Emergency/First Aid Proc: EYES:IMMED FLUSH W/LG AMTS OF WATER FOR AT LST 15 MINS. SEEK MED AID. SKIN:WASH THORO W/SOAP & WATER. IF REDNESS, ITCH, BURNING/OTHER SYMPS DEVELOP/PERSIST, SEEK MED AID. WASH CONTAM CLTHG BEFORE REUSE. INHAL:REMOVE FROM EXPOS. IF BRTHG HAS STOPPED/IS DFCLT, ADMIN ARTF RESP/OXYG AS INDICATED. SEEK MED AID. INGEST:DO NOT INDUCE VOMIT. GIVE 1 GLASS OF MILK/1-2 OZ (30-60G) OF ACTIVATED (SUPP DATA)

=====

Precautions for Safe Handling and Use

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Steps If Matl Released/Spill: STOP SPILL/LEAK IF NO RISK INVOLVED. AVOID BRTHG VAPS. ELIM ALL SOURCES OF IGNIT. VENTILATE AREA. AVOID CONT W/HOT LIQ & FUMES. TAKE UP CAREFULLY TO AVOID HEAT & SPKS. USE INERT ABSORB TO COMPLETE CLEAN-UP. THIS MATL REACTS W/OXIDIZING (ING 3)

Neutralizing Agent: NONE SPECIFIED BY MANUFACTURER.

Report for NIIN: 00N032075

Waste Disposal Method: THIS PRODUCT IS A U.S. EPA DEFINED IGNITABLE HAZARDOUS WASTE. DISPOSE OF AS AN IGNITABLE WASTE I/A/W LOCAL, STATE & FEDERAL REGULATIONS.

Precautions-Handling/Storing: AVOID PRLNG/RPTD CONT W/SKIN OR EYES. AVOID PRLNG/RPTD BRTHG OF VAPS, MISTS/FUMES. HANDLE & USE I/A/W OSHA 29 CFR 1910.106/LOCAL CODES.

Other Precautions: SPRAY PAINT I/A/W OSHA 29 CFR 1910.107. OBSERVE GOOD PERSONAL HYGIENE PRACTICES & REC PROCS. STORE IN AREAS/BLDGS DESIGNED TO COMPLY W/OSHA 1910.106. KEEP IN CLSD, LABELED CNTNR W/IN COOL (WELL SHADED) , DRY, VENTILATED AREA. PROT (ING 5)

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Control Measures

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Respiratory Protection: IF VENT DOES NOT MAINTAIN INHAL EXPOS BELOW PEL(TLV), USE NIOSH/MSHA APPRVD UNITS AS PER CURRENT 29 CFR 1910.134, INSTRUCTIONS/WARNINGS & NIOSH/MSHA APPRVD RESP DECISION LOGIC - PUB. #87.108. IF W/IN OSHA PROT FACTOR, NIOSH/MSHA (ING 11)

Ventilation: PROVIDE SUFFICIENT GEN/LOC EXHST VENT IN PATTERN/VOL TO CONTROL INHAL EXPOS BELOW CURRENT EXPOS LIMS & AREAS (ING 12)

Protective Gloves: INDUS RESIST FLEXIBLE-TYPE (ING 14)

Eye Protection: ANSI APPROVED CHEM WORKERS GOGGS(ING 18)

Other Protective Equipment: EYE WASH FOUNTAIN & DELUGE SHOWER WHICH MEET ANSI DESIGN CRITERIA (FP N). WEAR INDUS-TYPE WORK CLTHG & SFTY (ING 19)

Work Hygienic Practices: WASH EXPOS AREAS PROMPTLY & THORO AFTER SKIN CONT FROM WORKING W/THIS PROD & BEFORE EATING, DRINKING, USING (ING 21)

Suppl. Safety & Health Data: EXPLO HAZ:FLAMM/EXPLO VAPS. CLSD CNTNRS MAY EXPLODE WHEN EXPOS TO EXTREME HEAT(FIRE). UNDER FIRE CNDTNS, MAY EMIT IRRIT/TOX GAS &/OR FUMES. FIRST AID PROC:CHARCOAL IN WATER TO VICTIM AS TOLERATED. SEEK MED AID. DO NOT ATTEMPT TO GIVE ANYTHING BY MOUTH TO UNCON PERS. NOTE TO MD:THERE IS NO SPECIFIC ANTIDOTE FOR (ING 2)

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Transportation Data

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Transportation Action Code:

Transportation Focal Point:

Trans Data Review Date:

DOT PSN Code:

DOT Symbol:

DOT Proper Shipping Name:

DOT Class:

DOT ID Number:

DOT Pack Group:
 DOT Label:
 DOT/DoD Exemption Number:
 IMO PSN Code:
 IMO Proper Shipping Name:
 IMO Regulations Page Number:
 IMO UN Number:
 IMO UN Class:
 IMO Subsidiary Risk Label:
 IATA PSN Code:
 IATA UN ID Number:
 IATA Proper Shipping Name:

Report for NIIN: 00N032075

IATA UN Class:
 IATA Subsidiary Risk Class:
 IATA Label:
 AFI PSN Code:
 AFI Symbols:
 AFI Prop. Shipping Name:
 AFI Class:
 AFI ID Number:
 AFI Pack Group:
 AFI Label:
 AFI Special Prov:
 AFI Basic Pac Ref:
 MMAC Code:
 N.O.S. Shipping Name:
 Additional Trans Data:

=====

Disposal Data

=====

Disposal Data Action Code:
 Disposal Data Focal Point:
 Disposal Data Review Date:
 Rec # For This Disp Entry:
 Tot Disp Entries Per NSN:
 Landfill Ban Item:
 Disposal Supplemental Data:
 1st EPA Haz Wst Code New:
 1st EPA Haz Wst Name New:
 1st EPA Haz Wst Char New:
 1st EPA Acute Hazard New:
 2nd EPA Haz Wst Code New:
 2nd EPA Haz Wst Name New:
 2nd EPA Haz Wst Char New:
 2nd EPA Acute Hazard New:
 3rd EPA Haz Wst Code New:
 3rd EPA Haz Wst Name New:
 3rd EPA Haz Wst Char New:
 3rd EPA Acute Hazard New:

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Label Data

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Label Required: YES
 Technical Review Date: 10APR96
 Label Date: 27FEB96
 MFR Label Number:
 Label Status: G
 Common Name: 120 BRUSHING THINNER, 12120

Chronic Hazard: NO
Signal Word: WARNING!
Acute Health Hazard-None:
Acute Health Hazard-Slight:
Acute Health Hazard-Moderate: X
Acute Health Hazard-Severe:
Contact Hazard-None:

Report for NIIN: 00N032075

Contact Hazard-Slight: X
Contact Hazard-Moderate:
Contact Hazard-Severe:
Fire Hazard-None:
Fire Hazard-Slight:
Fire Hazard-Moderate: X
Fire Hazard-Severe:
Reactivity Hazard-None: X
Reactivity Hazard-Slight:
Reactivity Hazard-Moderate:
Reactivity Hazard-Severe:
Special Hazard Precautions: COMBUSTIBLE. ACUTE:EYE:IRRITATION. SKIN:
DEFATTING CHARACTERIZED BY REDNESS, CRACKING, BLISTERING, IRRITATION &
DERMATITIS. INHALATION:RESPIRATORY TRACT IRRITATION & CENTRAL NERVOUS
SYSTEM DEPRESSION WITH HEADACHE, WEAKNESS, DIZZINESS, INCOORDINATION &
POSSIBLE COLLAPSE. INGESTION:GASTROINTESTINAL DISTURBANCES, NAUSEA,
VOMITING & DIARRHEA. ASPIRATION INTO LUNGS MAY BE FATAL. CHRONIC:NONE
LISTED BY MANUFACTURER.
Protect Eye: Y
Protect Skin: Y
Protect Respiratory: Y
Label Name: PETTIT PAINT
Label Street: 36 PINE ST
Label P.O. Box:
Label City: ROCKAWAY
Label State: NJ
Label Zip Code: 07866
Label Country: US
Label Emergency Number: 800-548-2700;800-424-9300 (CHEMTREC)
Year Procured:

MSDS - Material Safety Data Sheet**Product Name: 409 All Purpose Cleaner (Green)****MSDS No.: 0000761****I. Basic Information:****Manufacturer:** The Clorox Company**Address:****City, ST Zip:****Emergency Contact:****Emergency Telephone Number:****Contact:****Information Telephone Number:****Last Update:****Expiration Date:****Chemical State:** ☒ Liquid ☐ Gas ☐ Solid**Chemical Type:** ☐ Pure ☒ Mixture

Health
Flammability
Reactivity
Pers. Protection

II. Ingredients:☐ Trade Secret

CAS No.	Chemical Name	% Range	EHS NTP	IARC SUB Z	SARA 313	OSHA PEL	ACGIH TLV	Other Limits
111-76-2	Ethylene Glycol Monobutyl Ether							

III. Hazardous Identification:**Hazard Category:**☐ Acute☐ Chronic☐ Fire☐ Pressure☐ Reactive**Hazardous Identification Information:****IV. First Aid Measures:****Route(s) of Entry:****Health Hazards (Acute and Chronic):****Signs and Symptoms:**

Mild eye irritant

Medical Conditions Generally Aggravated by Exposure:**Emergency and First Aid Procedures:**

Eyes: Immediately flush eyes with plenty of water. If irritation persist, see MD.

Skin: Wash with water.

Ingestion: No apparent hazard.

Inhalation: Remove to fresh air.

MSDS - Material Safety Data Sheet***Product Name: 409 All Purpose Cleaner (Green)***

MSDS No.: 0000761

Other Health Warnings:

V. Fire Fighting Measures:

Flash Point:

Lower Explosive Limit:

Upper Explosive Limit:

F.P. Method:

Fire Extinguishing Media:

Special Fire Fighting Procedures:

Unusual Fire and Explosion:

VI. Accidental Release Measures:

Steps to be Taken in Case Material is Released or Spilled:

Absorb and containerize. Wash residual down to sanitary sewer.

VII. Handling and Storage:

Precautions to be Taken:

Other Precautions:

VIII. Exposure Controls/Personal Protection:

Ventilation Requirements:

Personal Protective Equipment:

IX. Physical and Chemical Properties:

Boiling Point:

Melting Point:

Evaporation Rate (Butyl Acetate = 1):

Vapor Pressure (mm Hg.):

Specific Gravity (H2O = 1): 1.01500

Vapor Density (AIR = 1):

Solubility In Water: complete

Appearance and Odor:

Other Information:

MSDS - Material Safety Data Sheet

Product Name: 409 All Purpose Cleaner (Green)

MSDS No.: 0000761

X. Stability and Reactivity:

Stability:

Incompatibility (Materials to Avoid):

Decomposition/By Products:

Hazardous Polymerization:

XI. Toxicological Information:

XII. Ecological Information:

XIII. Disposal Considerations:

XIV. Transport Information:

XV. Regulatory Information:

XVI. Other Information:

MSDS Name: DEVCON® 5 Minute® Epoxy amber [1:1]

Manufacturer Name: ITW Devcon

Stock Number: 14210

Components:
5-MINUTE EPOXY RESIN
5-MINUTE EPOXY HARDENER
ITW Performance Polymers (Finished Goods) Product Code: 14210



PRINT



EMAIL



GLOSSARY



View Section : [1](#) [2](#) [3](#) [4](#) [5](#) [6](#) [7](#) [8](#) [9](#) [10](#) [11](#) [12](#) [13](#) [14](#) [15](#) [16](#)

SECTION 1: CHEMICAL PRODUCT and COMPANY IDENTIFICATION

14210

Product Name: 5-MINUTE EPOXY HARDENER

Stock No.: 14210

Manufacturer Name: ITW Devcon

Address: 30 Endicott St.

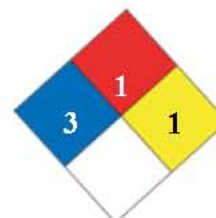
Danvers MA 01923

Product Description: The following information applies to the hardener component of the two-part kit and to freshly mixed resin and hardener. After curing, this product is not hazardous.

Business Phone: (978) 777-1100

Emergency Phone: (800) 424-9300

NFPA



HMIS

HEALTH	3*
FIRE	1
REACTIVITY	1
PPE	X

* Chronic Health Effects

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SECTION 2 : COMPOSITION, INFORMATION ON INGREDIENTS

14210

Ingredient Name	CAS#	Ingredient Percent
Trade secret.	N/A	60-100 by Weight

SECTION 3 : HAZARDS IDENTIFICATION

14210

Emergency Overview: WARNING! Potential Sensitizer. Irritant.

Applies to hazardous ingredients :

Route of Exposure: Eyes. Skin. Inhalation. Ingestion

Potential Health Effects:

Eye Contact: Can cause severe eye irritation and burns. Eye contact may cause permanent damage or blindness.

Skin Contact: Causes severe skin irritation. May cause permanent skin damage. Allergic reactions are possible.
May cause skin sensitization, an allergic reaction, which becomes evident on reexposure to this material.

Inhalation: Vapor or mist may cause severe respiratory system irritation. May cause respiratory sensitization with asthma-like symptoms in susceptible individuals.

Ingestion: Causes irritation, a burning sensation of the mouth, throat and gastrointestinal tract and abdominal pain.

Chronic Skin Contact: Prolonged skin contact may lead to burning associated with severe reddening, swelling, and possible tissue destruction

Target Organs: Eyes. Skin. Respiratory system. Digestive system.

Signs/Symptoms: Overexposure may cause eye watering or discomfort, redness and swelling.

Aggravation of Pre-Existing Conditions: Individuals with pre-existing skin disorders, asthma, allergies or known sensitization may be more susceptible to the effects of this product.

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SECTION 4 : FIRST AID MEASURES

14210

Eye Contact: Immediately flush eyes with plenty of water for at least 15 to 20 minutes. Ensure adequate flushing of the eyes by separating the eyelids with fingers. Get immediate medical attention.

Skin Contact: Immediately wash skin with plenty of soap and water for 15 to 20 minutes, while removing contaminated clothing and shoes. Get medical attention if irritation develops or persists.

Inhalation: If inhaled, remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel. Seek immediate medical attention.

Ingestion: If swallowed, do NOT induce vomiting. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person.

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SECTION 5 : FIRE FIGHTING MEASURES

14210

Flash Point: >200 °F (93.3° C)

Flash Point Method: Pensky-Martens Closed Cup

Upper Flammable or Explosive Limit: Not determined.

Lower Flammable or Explosive Limit: Not determined.

Auto Ignition Temperature: Not determined.

Flammability Class: Class IIIB.

Extinguishing Media: Use carbon dioxide (CO2) or dry chemical when fighting fires involving this material.

Unsuitable Media: Water or foam may cause frothing.

Fire Fighting Instructions: Evacuate area of unprotected personnel. Use cold water spray to cool fire exposed containers to minimize risk of rupture. Do not enter confined fire space without full protective gear. If possible, contain fire run-off water.

Protective Equipment: As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

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SECTION 6 : ACCIDENTAL RELEASE MEASURES

14210

Leak Response: Avoid personal contact and breathing vapors or mists. Ventilate area. Use proper personal protective equipment as listed in section 8.

Personal Precautions: Evacuate area and keep unnecessary and unprotected personnel from entering the spill area.

Spill Cleanup Measures: Absorb spill with inert material (sand or earth), then place in a container.

Environmental Precautions:
Large Spill:

waste container. Provide ventilation. Clean up spills immediately observing precautions in the protective equipment section. After removal, flush spill area with soap and water to remove trace residue.
Avoid runoff into storm sewers, ditches, and waterways.
Pump or shovel to storage/salvage vessels.

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SECTION 7 : HANDLING and STORAGE

14210

Handling: Use with adequate ventilation. Avoid breathing vapor, aerosol or mist.

Storage: Store in a cool, dry, well ventilated area away from sources of heat and incompatible materials. Keep container tightly closed when not in use. Do not store in reactive metal containers. Keep away from acids, oxidizers.

Hygiene Practices: Wash thoroughly after handling.

Special Handling Procedures: Provide appropriate ventilation/respiratory protection against decomposition products (see Section 10) during welding/flame cutting operations and to protect against dust during sanding/grinding of cured product.

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SECTION 8 : EXPOSURE CONTROLS, PERSONAL PROTECTION

14210

Engineering Controls: Use appropriate engineering control such as process enclosures, local exhaust ventilation, general dilution ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Where such systems are not effective wear suitable personal protective equipment, which performs satisfactorily and meets OSHA or other recognized standards. Consult with local procedures for selection, training, inspection and maintenance of the personal protective equipment.

Skin Protection Description: Wear appropriate protective gloves and other protective apparel to prevent skin contact.

Hand Protection Description: Wear appropriate protective gloves. Consult glove manufacturer's data for permeability data.

Eye/Face Protection: Wear appropriate protective glasses or splash goggles as described by 29 CFR 1910.133, OSHA eye and face protection regulation, or the European standard EN 166.

Respiratory Protection: A NIOSH approved air-purifying respirator with an organic vapor/particulates combination cartridge or canister may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits. Protection provided by air purifying respirators is limited. Use a positive pressure air supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or any other circumstances where air purifying respirators may not provide adequate protection.

Other Protective: Facilities storing or utilizing this material should be equipped with an eyewash and a deluge shower safety station.
Only established PEL and TLV values for the ingredients are listed below

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SECTION 9 : PHYSICAL and CHEMICAL PROPERTIES

14210

Color: Clear to slight yellow.

Odor: Mercaptan.

Physical State: Liquid.

pH: 9.5 @ 5 Percent Solution

Vapor Pressure: <<1 mmHg @ 70°F

Vapor Density: Not determined.

Boiling Point: Not determined.

Melting Point: Not determined.

Solubility in Water: Negligible.

Specific Gravity: 1.13

Evaporation Point: Not determined.

Percent Volatile: 0

Volatile Organic Compound Content: 0 g/L

Molecular Formula: Varies

Molecular Weight:	Varies
Percent Solids by Weight	100

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SECTION 10 : STABILITY and REACTIVITY

14210

Chemical Stability:	Stable under normal temperatures and pressures.
Conditions to Avoid:	Extreme heat, sparks, and open flame. Incompatible materials, oxidizers and oxidizing conditions.
Incompatibilities with Other Materials:	Oxidizers, acids, and chlorinated organic compounds. Reactive metals (e.g. sodium, calcium, zinc). Sodium/calcium hypochlorite. Nitrous acid/ oxide, nitrites. Peroxides. Materials reactive with hydroxyl compounds.
Hazardous Polymerization:	Not reported.

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SECTION 11 : TOXICOLOGICAL INFORMATION


14210

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SECTION 12 : ECOLOGICAL INFORMATION

14210


Ecotoxicity:	No ecotoxicity data was found for the product.
Environmental Fate:	No environmental information found for this product.

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SECTION 13 : DISPOSAL CONSIDERATIONS

14210

Waste Disposal:	Consult with the US EPA Guidelines listed in 40 CFR Part 261.3 for the classifications of hazardous waste prior to disposal. Furthermore, consult with your state and local waste requirements or guidelines, if applicable, to ensure compliance. Arrange disposal in accordance to the EPA and/or state and local guidelines.
RCRA Hazard Class:	None

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SECTION 14 : TRANSPORT INFORMATION

14210

DOT Shipping Name:	Non-regulated
DOT UN Number:	N/A
DOT Hazard Class:	N/A
DOT Packing Group:	N/A
IATA Shipping Name:	Non-regulated
NAERG Number:	N/A
Technical Name	N/A


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SECTION 15 : REGULATORY INFORMATION

14210

Applies to all ingredients:

TSCA 8(b): Inventory Status:	All of the constituents of this product are either TSCA listed or exempt from listing.
Comments:	WARNING: This product contains a chemical known to the State of California to cause cancer and birth defects or other reproductive harm.
Canadian Regulations	WHMIS Hazard Class(es): D2B All components of this product are on the Canadian Domestic Substances List.

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SECTION 16 : ADDITIONAL INFORMATION


14210

HMIS:	
Health Hazard:	3*
Fire Hazard:	

Reactivity: 1
Personal Protection: x
NFPA:
Health: 3
Fire Hazard: 1
Reactivity: 1
MSDS Revision Date: 10/10/2006
MSDS Author: Actio Corporation
Disclaimer:

This Health and Safety Information is correct to the best of our knowledge and belief at the date of its publication but we cannot accept liability for any loss, injury or damage which may result from its use. The information given in the Data Sheet is designed only as a guidance for safe handling, storage and the use of the substance. It is not a specification nor does it guarantee any specific properties. All chemicals should be handled only by competent personnel, within a controlled environment.

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GLOSSARY



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SECTION 1: CHEMICAL PRODUCT and COMPANY IDENTIFICATION

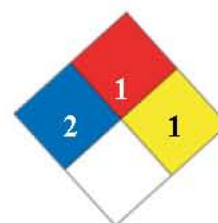
14210

Product Name: 5-MINUTE EPOXY RESIN
Stock No.: 14210
Manufacturer Name: ITW Devcon
Address: 30 Endicott St.
Danvers MA 01923

Product Description: The following information applies to the hardener component of the two-part kit and to freshly mixed resin and hardener. After curing, this product is not hazardous.

Business Phone: (978) 777-1100
Emergency Phone: (800) 424-9300


NFPA



HMIS

HEALTH	2*
FIRE	1
REACTIVITY	1
PPE	X

* Chronic Health Effects

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SECTION 2 : COMPOSITION, INFORMATION ON INGREDIENTS

14210

Ingredient Name	CAS#	Ingredient Percent
Bisphenol A diglycidyl ether resin	25068-38-6	60-100 by Weight

SECTION 3 : HAZARDS IDENTIFICATION

14210

Emergency Overview: WARNING! Potential Sensitizer. Irritant.

Applies to hazardous ingredients :

Route of Exposure: Eyes. Skin. Inhalation. Ingestion

Potential Health Effects:

Eye Contact: Can cause moderate irritation, burning sensation, tearing, redness, and swelling. Overexposure may cause lacrimation, conjunctivitis, corneal damage and permanent injury.

Skin Contact: Can cause skin irritation; itching, redness, rashes, hives, burning, and swelling. Allergic reactions are possible. May cause skin sensitization, an allergic reaction, which becomes evident on reexposure to this material.

Inhalation: Respiratory tract irritant. High concentration may cause dizziness, headache, and anaesthetic effects. May cause respiratory sensitization with asthma-like symptoms in susceptible individuals.

Ingestion: Causes irritation, a burning sensation of the mouth, throat and gastrointestinal tract and abdominal pain.

Chronic Skin Contact: Prolonged skin contact may lead to burning associated with severe reddening, swelling, and possible tissue destruction.

Target Organs: Eyes. Skin. Respiratory system. Digestive system.

Signs/Symptoms: Overexposure can cause headaches, dizziness, nausea, and vomiting.

Aggravation of Pre-Existing Conditions: Individuals with pre-existing skin disorders, asthma, allergies or known sensitization may be more susceptible to the effects of this product.

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SECTION 4 : FIRST AID MEASURES

14210

Eye Contact: Immediately flush eyes with plenty of water for at least 15 to 20 minutes. Ensure adequate flushing of the eyes by separating the eyelids with fingers. Get immediate medical attention.

Skin Contact: Immediately wash skin with plenty of soap and water for 15 to 20 minutes, while removing contaminated clothing and shoes. Get medical attention if irritation develops or persists.

Inhalation: If inhaled, remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel. Seek immediate medical attention.

Ingestion: If swallowed, do NOT induce vomiting. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person.

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SECTION 5 : FIRE FIGHTING MEASURES

14210

Flash Point: >400 °F (204.4°C)

Flash Point Method: Pensky-Martens Closed Cup

Upper Flammable or Explosive Limit: Not determined.

Lower Flammable or Explosive Limit: Not determined.

Auto Ignition Temperature: Not determined.

Extinguishing Media: Use carbon dioxide (CO2) or dry chemical when fighting fires involving this material.

Unsuitable Media: Water or foam may cause frothing.

Fire Fighting Instructions: Evacuate area of unprotected personnel. Use cold water spray to cool fire exposed containers to minimize risk of rupture. Do not enter confined fire space without full protective gear. If possible, contain fire run-off water.

Protective Equipment: As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

Unusual Fire Hazards: Sealed containers at elevated temperatures may rupture explosively and spread fire due to polymerization. Heating above 300 deg F in the presence of air may cause slow oxidative decomposition and above 500 deg F may cause polymerization.

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SECTION 6 : ACCIDENTAL RELEASE MEASURES

14210

Leak Response: Avoid personnel contact with breathing apparatus or mists. Ventilate area. Use proper

Personal Precautions:	personal protective equipment as listed in section 8. Evacuate area and keep unnecessary and unprotected personnel from entering the spill area.
Spill Cleanup Measures:	Absorb spill with inert material (e.g., dry sand or earth), then place in a chemical waste container. Provide ventilation. Clean up spills immediately observing precautions in the protective equipment section. After removal, flush spill area with soap and water to remove trace residue.
Environmental Precautions:	Avoid runoff into storm sewers, ditches, and waterways.
Large Spill:	Pump or shovel to storage/salvage vessels.

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SECTION 7 : HANDLING and STORAGE

14210


Handling:	Use with adequate ventilation. Avoid breathing vapor, aerosol or mist.
Storage:	Store in a cool, dry, well ventilated area away from sources of heat and incompatible materials. Keep container tightly closed when not in use.
Hygiene Practices:	Wash thoroughly after handling.
Special Handling Procedures:	Provide appropriate ventilation/respiratory protection against decomposition products (see Section 10) during welding/flame cutting operations and to protect against dust during sanding/grinding of cured product.

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SECTION 8 : EXPOSURE CONTROLS, PERSONAL PROTECTION

14210

Engineering Controls:	Use appropriate engineering control such as process enclosures, local exhaust ventilation, general dilution ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Where such systems are not effective wear suitable personal protective equipment, which performs satisfactorily and meets OSHA or other recognized standards. Consult with local procedures for selection, training, inspection and maintenance of the personal protective equipment.
Skin Protection Description:	Wear appropriate protective gloves and other protective apparel to prevent skin contact.
Hand Protection Description:	Wear appropriate protective gloves. Consult glove manufacturer's data for permeability data.
Eye/Face Protection:	Wear appropriate protective glasses or splash goggles as described by 29 CFR 1910.133, OSHA eye and face protection regulation, or the European standard EN 166.
Respiratory Protection:	A NIOSH approved air-purifying respirator with an organic vapor/particulates combination cartridge or canister may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits. Protection provided by air purifying respirators is limited. Use a positive pressure air supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or any other circumstances where air purifying respirators may not provide adequate protection.
Other Protective:	Facilities storing or utilizing this material should be equipped with an eyewash and a deluge shower safety station. Only established PEL and TLV values for the ingredients are listed below

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SECTION 9 : PHYSICAL and CHEMICAL PROPERTIES

14210

Color:	Clear.
Odor:	Little.
Physical State:	Viscous liquid.
pH:	Neutral.
Vapor Pressure:	0.03 mmHg @ 171 °F
Vapor Density:	>1 (air = 1)
Boiling Point:	>500 °F (260 °C)
Melting Point:	Not determined.
Solubility in Water:	Negligible.
Specific Gravity:	1.17
Evaporation Point:	<<1 (butyl acetate = 1)
Percent Volatile:	0
Volatile Organic Compound	0

Content:	
Molecular Formula:	Varies
Molecular Weight:	Varies
Percent Solids by Weight	100

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SECTION 10 : STABILITY and REACTIVITY

14210

Chemical Stability:	Stable under normal temperatures and pressures.
Conditions to Avoid:	Extreme heat, sparks, and open flame. Incompatible materials, oxidizers and oxidizing conditions. Heating resin above 300 F in the presence of air may cause slow oxidative decomposition.
Incompatibilities with Other Materials:	Strong Lewis or mineral acids, strong oxidizing agents, strong mineral and organic bases (especially primary and secondary aliphatic amines).
Hazardous Polymerization:	Not reported.


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SECTION 11 : TOXICOLOGICAL INFORMATION

14210

Bisphenol A diglycidyl ether resin :

Skin Effects:	Skin - rat LD: >2 gm/kg - [Nutritional and Gross Metabolic - other changes] (RTECS)
Ingestion Effects:	Oral - rat LD: >5 gm/kg - [Nutritional and Gross Metabolic - other changes] (RTECS)

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SECTION 12 : ECOLOGICAL INFORMATION

14210

Ecotoxicity:	No ecotoxicity data was found for the product.
Environmental Fate:	No environmental information found for this product.

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SECTION 13 : DISPOSAL CONSIDERATIONS

14210

Waste Disposal:	Consult with the US EPA Guidelines listed in 40 CFR Part 261.3 for the classifications of hazardous waste prior to disposal. Furthermore, consult with your state and local waste requirements or guidelines, if applicable, to ensure compliance. Arrange disposal in accordance to the EPA and/or state and local guidelines.
RCRA Hazard Class:	None

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SECTION 14 : TRANSPORT INFORMATION

14210

DOT Shipping Name:	Non-regulated
DOT UN Number:	N/A
DOT Hazard Class:	N/A
DOT Packing Group:	N/A
IATA Shipping Name:	Non-regulated
NAERG Number:	N/A
Technical Name	N/A

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SECTION 15 : REGULATORY INFORMATION

14210

Applies to All Ingredients :

TSCA 8(b): Inventory Status:	All of the constituents of this product are either TSCA listed or exempt from listing.
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Bisphenol A diglycidyl ether resin :

TSCA 8(b): Inventory Status:	Listed
EC Number:	603-074-00-8
Comments:	Known to the State of California

SECTION 16 : ADDITIONAL INFORMATION

14210

HMIS:

Health Hazard:	2*
Fire Hazard:	1
Reactivity:	1
Personal Protection:	x

NFPA:

Health:	2
Fire Hazard:	1
Reactivity:	1

MSDS Revision Date: 10/10/2006**MSDS Author:** Actio Corporation**Disclaimer:**

This Health and Safety Information is correct to the best of our knowledge and belief at the date of its publication but we cannot accept liability for any loss, injury or damage which may result from its use. The information given in the Data Sheet is designed only as a guidance for safe handling, storage and the use of the substance. It is not a specification nor does it guarantee any specific properties. All chemicals should be handled only by competent personnel, within a controlled environment.

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DOD Hazardous Materials Information System
DoD 6050.5-L
AS OF July 1998

FSC: 8010
NIIN: 00N053414
Manufacturer's CAGE: ACEHA
Part No. Indicator: B
Part Number/Trade Name: 7 ACRYLIC FLAT LATEX HOUSE PAINT, 103A127

=====

General Information

=====

Item Name:
Company's Name: ACE HARDWARE CORP
Company's Street: 21901 S CENTRAL AVE
Company's P. O. Box:
Company's City: MATTSON
Company's State: IL
Company's Country: US
Company's Zip Code: 60443
Company's Emerg Ph #: 708-990-6600
Company's Info Ph #: 708-720-0600
Distributor/Vendor # 1:
Distributor/Vendor # 1 Cage:
Distributor/Vendor # 2:
Distributor/Vendor # 2 Cage:
Distributor/Vendor # 3:
Distributor/Vendor # 3 Cage:
Distributor/Vendor # 4:
Distributor/Vendor # 4 Cage:
Safety Data Action Code:
Safety Focal Point: N
Record No. For Safety Entry: 002
Tot Safety Entries This Stk#: 003
Status: SMJ
Date MSDS Prepared: 01JUL94
Safety Data Review Date: 24JUL95
Supply Item Manager:
MSDS Preparer's Name:
Preparer's Company:
Preparer's St Or P. O. Box:
Preparer's City:
Preparer's State:
Preparer's Zip Code:
Other MSDS Number:
MSDS Serial Number: BYGJF
Specification Number:
Spec Type, Grade, Class:
Hazard Characteristic Code: NK
Unit Of Issue:
Unit Of Issue Container Qty:
Type Of Container:
Net Unit Weight:

Report for NIIN: 00N053414

NRC/State License Number:
Net Explosive Weight:
Net Propellant Weight-Ammo:
Coast Guard Ammunition Code:

=====

Ingredients/Identity Information

=====

Proprietary: NO
 Ingredient: TITANIUM DIOXIDE
 Ingredient Sequence Number: 01
 Percent: 24.9
 Ingredient Action Code:
 Ingredient Focal Point: N
 NIOSH (RTECS) Number: XR2275000
 CAS Number: 13463-67-7
 OSHA PEL: 15 MG/M3 TDUST
 ACGIH TLV: 10 MG/M3 TDUST
 Other Recommended Limit: N/K

Proprietary: NO
 Ingredient: NEPHELINE SYENITE
 Ingredient Sequence Number: 02
 Percent: 28.8
 Ingredient Action Code:
 Ingredient Focal Point: N
 NIOSH (RTECS) Number: 1003350NE
 CAS Number: 37244-96-5
 OSHA PEL: N/K (FP N)
 ACGIH TLV: 5 MG/CUM (MFR)
 Other Recommended Limit: N/K

Proprietary: NO
 Ingredient: SILICA, AMORPHOUS, DIATOMACEOUS EARTH; (DIATOMACEOUS SILICA)
 Ingredient Sequence Number: 03
 Percent: 2.3
 Ingredient Action Code:
 Ingredient Focal Point: N
 NIOSH (RTECS) Number: VV7311000
 CAS Number: 61790-53-2
 OSHA PEL: 20 MPPCF; Z-3
 ACGIH TLV: 10 MG/M3 TDUST
 Other Recommended Limit: N/K

Proprietary: NO
 Ingredient: SILICA GEL; (AMORPHOUS SILICA)
 Ingredient Sequence Number: 04
 Percent: 1.2
 Ingredient Action Code:
 Ingredient Focal Point: N
 NIOSH (RTECS) Number: VV7310000
 CAS Number: 112945-52-5
 OSHA PEL: 6 MG/M3
 ACGIH TLV: 10 MG/M3

Report for NIIN: 00N053414

Other Recommended Limit: N/K

Proprietary: NO
 Ingredient: 1,2-PROPANEDIOL; (PROPYLENE GLYCOL)
 Ingredient Sequence Number: 05
 Percent: 2.3
 Ingredient Action Code:
 Ingredient Focal Point: N
 NIOSH (RTECS) Number: TY2000000
 CAS Number: 57-55-6
 OSHA PEL: N/K (FP N)

ACGIH TLV: N/K (FP N)
Other Recommended Limit: N/K

Proprietary: NO
Ingredient: IRON (III) OXIDE; (IRON OXIDE)
Ingredient Sequence Number: 06
Percent: 6.0
Ingredient Action Code:
Ingredient Focal Point: N
NIOSH (RTECS) Number: NO7400000
CAS Number: 1309-37-1
OSHA PEL: 10 MG/M3 (FE)
ACGIH TLV: 5 MG(FE)/M3 FUME, B2
Other Recommended Limit: N/K

Proprietary: NO
Ingredient: HYDRATED IRON OXIDE
Ingredient Sequence Number: 07
Percent: 3.9
Ingredient Action Code:
Ingredient Focal Point: N
NIOSH (RTECS) Number: 1005320IO
CAS Number: 20344-49-4
OSHA PEL: N/K (FP N)
ACGIH TLV: N/K (FP N)
Other Recommended Limit: N/K

Proprietary: NO
Ingredient: AMMONIA (SARA 302/313) (CERCLA)
Ingredient Sequence Number: 08
Percent: <0.1
Ingredient Action Code:
Ingredient Focal Point: N
NIOSH (RTECS) Number: BO0875000
CAS Number: 7664-41-7
OSHA PEL: 50 PPM
ACGIH TLV: 25 PPM/35 STEL
Other Recommended Limit: N/K

Proprietary: NO
Ingredient: ALUMINUM HYDROXIDE
Ingredient Sequence Number: 09

Report for NIIN: 00N053414

Percent: 0.9
Ingredient Action Code:
Ingredient Focal Point: N
NIOSH (RTECS) Number: BD0940000
CAS Number: 21645-51-2
OSHA PEL: N/K (FP N)
ACGIH TLV: N/K (FP N)
Other Recommended Limit: N/K

Proprietary: NO
Ingredient: PALYGORSKITE; (MAGNESIUM ALUMINUM SILICATE)
Ingredient Sequence Number: 10
Percent: 0.3
Ingredient Action Code:
Ingredient Focal Point: N
NIOSH (RTECS) Number: RT6400000

CAS Number: 12174-11-7
 OSHA PEL: 15 MG/M3 (MFR)
 ACGIH TLV: 10 MD/M3 (MFR)
 Other Recommended Limit: N/K

 Proprietary: NO
 Ingredient: MINERAL OIL, PETROLEUM DISTILLATES, SOLVENT REFINED (SEVERE)
 HEAVY PARAFFINIC; (ALIPHATIC PETROLEUM DISTILLATE)
 Ingredient Sequence Number: 11
 Percent: 0.5
 Ingredient Action Code:
 Ingredient Focal Point: N
 NIOSH (RTECS) Number: PY8040501
 CAS Number: 64741-88-4
 OSHA PEL: N/K (FP N)
 ACGIH TLV: N/K (FP N)
 Other Recommended Limit: N/K

=====

Physical/Chemical Characteristics

=====

Appearance And Odor: COLORED PIGMENTED LIQUID WITH SLIGHT AMMONIA ODOR.
 Boiling Point: 212F,100C
 Melting Point: N/A
 Vapor Pressure (MM Hg/70 F): N/A
 Vapor Density (Air=1): HVR/AIR
 Specific Gravity: 1.26 (H*20=1)
 Decomposition Temperature: N/K
 Evaporation Rate And Ref: SUPP DATA
 Solubility In Water: INSOLUBLE
 Percent Volatiles By Volume: N/K
 Viscosity:
 pH: N/K
 Radioactivity:
 Form (Radioactive Matl):
 Magnetism (Milligauss):
 Corrosion Rate (IPY): N/K
 Autoignition Temperature:

Report for NIIN: 00N053414

=====

Fire and Explosion Hazard Data

=====

Flash Point: 199F,93C
 Flash Point Method: PMCC
 Lower Explosive Limit: N/A
 Upper Explosive Limit: N/A
 Extinguishing Media: NON-COMBUSTIBLE-FOR DRY SOLIDS USE WATER, FOAM CO*2,
 DRY CHEMICALS.
 Special Fire Fighting Proc: USE NIOSH/MSHA APPROVED SCBA & FULL PROTECTIVE
 EQUIPMENT (FP N). WATER MAY BE USED TO COOL CLOSED CONTAINERS.
 Unusual Fire And Expl Hazrds: CLOSED CONTAINERS EXPOSED TO EXTREME HEAT
 MAY RUPTURE DUE TO PRESSURE BUILD-UP. CONTENTS MAY SPATTER IF TEMPERATURE
 EXCEEDS 212F.

=====

Reactivity Data

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Stability: YES
 Cond To Avoid (Stability): NONE SPECIFIED BY MANUFACTURER.
 Materials To Avoid: NO HAZARDOUS REACTIONS ARE EXPECTED UNDER NORMAL USE.
 Hazardous Decomp Products: CARBON DIOXIDE AND CARBON MONOXIDE.

Hazardous Poly Occur: NO
 Conditions To Avoid (Poly): NOT RELEVANT.

=====

Health Hazard Data

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LD50-LC50 Mixture: NONE SPECIFIED BY MANUFACTURER.
 Route Of Entry - Inhalation: YES
 Route Of Entry - Skin: YES
 Route Of Entry - Ingestion: NO
 Health Haz Acute And Chronic: ACUTE:IN A CONFINED AREA VAPORS IN HIGH
 CONCENTRATION ARE ANESTHETIC. IRRITANT TO UPPER RESPIRATORY SYSTEM. SIGNS
 AND SYMPTOMS OF EXPOSURE:LIGHTHEADEDNESS AND STAGGERED GAIT. CHRONIC
 PROBLEMS WITH RESPIRATORY SYSTEM MAY BE AGGRAVATED BY EXPOSURE TO VAPORS.
 Carcinogenicity - NTP: NO
 Carcinogenicity - IARC: NO
 Carcinogenicity - OSHA: NO
 Explanation Carcinogenicity: NOT RELEVANT.
 Signs/Symptoms Of Overexp: SEE HEALTH HAZARDS.
 Med Cond Aggravated By Exp: CHRONIC PROBLEMS WITH RESPIRATORY SYSTEM MAY
 BE AGGRAVATED TO EXPOSURE TO VAPORS.
 Emergency/First Aid Proc: INGEST:CALL MD IMMEDIATELY (FP N). INHAL: REMOVE
 FROM EXPOSURE-RESTORE BREATHING-KEEP WARM AND QUIET. SKIN:WASH WITH SOAP
 AND WATER. EYES:FLUSH WITH WATER FOR @ LEAST 15 MINUTES. GET MEDICAL AID.
 LAUNDER CONTAMINATED CLOTHING BEFORE REUSE.

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Precautions for Safe Handling and Use

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Steps If Matl Released/Spill: REMOVE ALL SOURCES OF IGNITION. VENTILATE
 AND REMOVE WITH INERT ABSORBENT.
 Neutralizing Agent: NONE SPECIFIED BY MANUFACTURER.
 Waste Disposal Method: INCINERATE IN APPROVED FACILITY. DO NOT INCINERATE
 CLOSED CONTAINERS. DISPOSE OF IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL

Report for NIIN: 00N053414

REGULATIONS REGARDING POLLUTION.
 Precautions-Handling/Storing: DOL STORAGE CATEGORY 3B.
 Other Precautions: KEEP OUT OF REACH OF CHILDREN.

=====

Control Measures

=====

Respiratory Protection: NIOSH/MSHA APPROVED RESPIRATOR APPROPRIATE FOR
 EXPOSURE OF CONCERN (FP N).
 Ventilation: LOCAL EXHAUST:PREFERABLE. MECHANICL (GENERAL):ACCEPTABLE.
 Protective Gloves: IMPERVIOUS GLOVES (FP N).
 Eye Protection: ANSI APPRVD CHEM WORKERS GOGGLES (FP N).
 Other Protective Equipment: ANSI APPRVD EMERGENCY EYE WASH & DELUGE SHOWER
 (FP N).
 Work Hygienic Practices: AVOID BREATHING VAPOR OR SPRAY MIST. AVOID
 CONTACT WITH SKIN OR EYES.
 Suppl. Safety & Health Data: EVAP RATE:SLOWER THAN ETHER (BUTYL ACETATE =
 1).

=====

Transportation Data

=====

Transportation Action Code:
 Transportation Focal Point:
 Trans Data Review Date:
 DOT PSN Code:
 DOT Symbol:
 DOT Proper Shipping Name:

DOT Class:
 DOT ID Number:
 DOT Pack Group:
 DOT Label:
 DOT/DoD Exemption Number:
 IMO PSN Code:
 IMO Proper Shipping Name:
 IMO Regulations Page Number:
 IMO UN Number:
 IMO UN Class:
 IMO Subsidiary Risk Label:
 IATA PSN Code:
 IATA UN ID Number:
 IATA Proper Shipping Name:
 IATA UN Class:
 IATA Subsidiary Risk Class:
 IATA Label:
 AFI PSN Code:
 AFI Symbols:
 AFI Prop. Shipping Name:
 AFI Class:
 AFI ID Number:
 AFI Pack Group:
 AFI Label:
 AFI Special Prov:
 AFI Basic Pac Ref:
 MMAC Code:

Report for NIIN: 00N053414

N.O.S. Shipping Name:
 Additional Trans Data:

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Disposal Data

=====

Disposal Data Action Code:
 Disposal Data Focal Point:
 Disposal Data Review Date:
 Rec # For This Disp Entry:
 Tot Disp Entries Per NSN:
 Landfill Ban Item:
 Disposal Supplemental Data:
 1st EPA Haz Wst Code New:
 1st EPA Haz Wst Name New:
 1st EPA Haz Wst Char New:
 1st EPA Acute Hazard New:
 2nd EPA Haz Wst Code New:
 2nd EPA Haz Wst Name New:
 2nd EPA Haz Wst Char New:
 2nd EPA Acute Hazard New:
 3rd EPA Haz Wst Code New:
 3rd EPA Haz Wst Name New:
 3rd EPA Haz Wst Char New:
 3rd EPA Acute Hazard New:

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Label Data

=====

Label Required: YES
 Technical Review Date: 24JUL95
 Label Date: 21JUL95
 MFR Label Number:

Label Status: G
Common Name: 7 ACRYLIC FLAT LATEX HOUSE PAINT, 103A127
Chronic Hazard: YES
Signal Word: WARNING!
Acute Health Hazard-None:
Acute Health Hazard-Slight:
Acute Health Hazard-Moderate: X
Acute Health Hazard-Severe:
Contact Hazard-None:
Contact Hazard-Slight: X
Contact Hazard-Moderate:
Contact Hazard-Severe:
Fire Hazard-None:
Fire Hazard-Slight:
Fire Hazard-Moderate: X
Fire Hazard-Severe:
Reactivity Hazard-None: X
Reactivity Hazard-Slight:
Reactivity Hazard-Moderate:
Reactivity Hazard-Severe:
Special Hazard Precautions: COMBUSTIBLE. ACUTE:IN A CONFINED AREA VAPORS
IN HIGH CONCENTRATION ARE ANESTHETIC. IRRITANT TO UPPER RESPIRATORY SYSTEM.

Report for NIIN: 00N053414

SIGNS AND SYMPTOMS OF EXPOSURE:LIGHTHEADEDNESS AND STAGGERED GAIT. CHRONIC:
NONE LISTED BY MANUFACTURER.

Protect Eye: Y
Protect Skin: Y
Protect Respiratory: Y
Label Name: ACE HARDWARE CORP
Label Street: 21901 S CENTRAL AVE
Label P.O. Box:
Label City: MATTSON
Label State: IL
Label Zip Code: 60443
Label Country: US
Label Emergency Number: 708-990-6600
Year Procured:

DOD Hazardous Materials Information System
DoD 6050.5-L
AS OF July 1998

FSC: 7930
NIIN: 00F002782
Manufacturer's CAGE: 13091
Part No. Indicator: A
Part Number/Trade Name: AC 500

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General Information

=====

Item Name: ACID METAL CLEANER
Company's Name: ROCHESTER MIDLAND
Company's Street: 333 HOLLENBECK ST
Company's P. O. Box: 1515
Company's City: ROCHESTER
Company's State: NY
Company's Country: US
Company's Zip Code: 14603-1515
Company's Emerg Ph #: 716-266-2250
Company's Info Ph #: 716-266-2250
Distributor/Vendor # 1:
Distributor/Vendor # 1 Cage:
Distributor/Vendor # 2:
Distributor/Vendor # 2 Cage:
Distributor/Vendor # 3:
Distributor/Vendor # 3 Cage:
Distributor/Vendor # 4:
Distributor/Vendor # 4 Cage:
Safety Data Action Code:
Safety Focal Point: F
Record No. For Safety Entry: 001
Tot Safety Entries This Stk#: 001
Status: SE
Date MSDS Prepared: 15DEC88
Safety Data Review Date: 28MAY93
Supply Item Manager:
MSDS Preparer's Name:
Preparer's Company: ROCHESTER MIDLAND
Preparer's St Or P. O. Box: 333 HOLLENBECK ST
Preparer's City: ROCHESTER
Preparer's State: NY
Preparer's Zip Code: 14603-1515
Other MSDS Number:
MSDS Serial Number: BBLSC
Specification Number:
Spec Type, Grade, Class:
Hazard Characteristic Code:
Unit Of Issue:
Unit Of Issue Container Qty:
Type Of Container:
Net Unit Weight:

Report for NIIN: 00F002782

NRC/State License Number:
Net Explosive Weight:
Net Propellant Weight-Ammo:
Coast Guard Ammunition Code:

=====

Ingredients/Identity Information

=====
Proprietary: NO
Ingredient: PHOSPHORIC ACID
Ingredient Sequence Number: 01
Percent: 56
Ingredient Action Code:
Ingredient Focal Point: F
NIOSH (RTECS) Number: TB6300000
CAS Number: 7664-38-2
OSHA PEL: 1 MG/CUM
ACGIH TLV: 1 MG/CUM
Other Recommended Limit: 1 MG/CUM
=====

Physical/Chemical Characteristics

=====
Appearance And Odor: VISCOUS LIGHT AMBER LIQUID W/MILD ODOR.
Boiling Point: 245F
Melting Point: N/K
Vapor Pressure (MM Hg/70 F): AS WATER
Vapor Density (Air=1): AS WATER
Specific Gravity: 1.37
Decomposition Temperature: N/K
Evaporation Rate And Ref: LESS THAN WATER
Solubility In Water: COMPLETE
Percent Volatiles By Volume: 30-35%
Viscosity:
pH: <1
Radioactivity:
Form (Radioactive Matl):
Magnetism (Milligauss):
Corrosion Rate (IPY): N/K
Autoignition Temperature:
=====

Fire and Explosion Hazard Data

=====
Flash Point: NONE
Flash Point Method: N/P
Lower Explosive Limit: N/K
Upper Explosive Limit: N/K
Extinguishing Media: AS FOR SURROUNDING FIRE. PRODUCT WILL NOT BURN.
Special Fire Fighting Proc: USE SCBA. COOL EXPOSED CONTAINERS W/WATER
SPRAY.
Unusual Fire And Expl Hazrds: CAN REACT W/METALS TO GENERATE HYDROGEN.
THIS GAS IS FLAMMABLE &/OR EXPLOSIVE IN THE PRESENCE OF AN IGNITION SOURCE.
=====

Report for NIIN: 00F002782

Reactivity Data

=====
Stability: YES
Cond To Avoid (Stability): N/K
Materials To Avoid: DON'T MIX W/ALKALINE OR CHLORINE CONTAINING CLEANERS.
METALS SUCH AS ALUMINUM OR ZINC.
Hazardous Decomp Products: HYDROGEN
Hazardous Poly Occur: NO
Conditions To Avoid (Poly): N/K
=====

Health Hazard Data

=====
LD50-LC50 Mixture: N/K
=====

Route Of Entry - Inhalation: YES
 Route Of Entry - Skin: NO
 Route Of Entry - Ingestion: YES
 Health Haz Acute And Chronic: EYES: CORROSIVE & ALSO TO THE MUCOUS
 MEMBRANES. SKIN: SEVERE IRRITATION, BURNING. INGESTION: HARMFUL,
 IRRITATION, SWELLING & TISSUE DAMAGE TO MOUTH, THROAT & ESOPHAGUS.
 INHALATION: IRRITATING TO NOSE & THROAT.
 Carcinogenicity - NTP: NO
 Carcinogenicity - IARC: NO
 Carcinogenicity - OSHA: NO
 Explanation Carcinogenicity: NONE
 Signs/Symptoms Of Overexp: N/K
 Med Cond Aggravated By Exp: RESPIRATORY
 Emergency/First Aid Proc: EYES/SKIN: FLUSH W/PLENTY OF WATER FOR AT LEAST
 15 MINS. INGESTION: DON'T INDUCE VOMITING. DILUTE BY DRINKING SEVERAL
 GLASSES OF MILK OR WATER. INHALATION: REMOVE TO FRESH AIR. OBTAIN MEDICAL
 ATTENTION IN ALL CASES.

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Precautions for Safe Handling and Use

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Steps If Matl Released/Spill: SMALL SPILLS: FLUSH W/PLENTY OF WATER. LARGE
 SPILLS: DIKE TO PREVENT RUNOFF, RECLAIM ALL POSSIBLE. NEUTRALIZE RESIDUES
 W/SODA ASH OR LIME W/ADEQUATE VENTILATION & FLUSH W/WATER.
 Neutralizing Agent: SODA ASH OR LIME
 Waste Disposal Method: TRAINED & PROPERLY EQUIPPED PERSONNEL MAY DILUTE &
 NEUTRALIZE WASTE VERY CAREFULLY W/DILUTE ALKALI IN ACCORDANCE W/FEDERAL,
 STATE & LOCAL REGULATIONS.
 Precautions-Handling/Storing: DON'T MIX W/CHLORINE SANITIZERS. STORE AS
 ACID MATERIAL IN A COOL, DRY AREA AWAY FROM OXIDIZERS. DON'T REUSE EMPTY
 CONTAINERS.
 Other Precautions: READ & FOLLOW LABEL DIRECTIONS. AVOID BREATHING SPRAY
 MISTS. KEEP OUT OF REACH OF CHILDREN.

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Control Measures

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Respiratory Protection: NONE NORMALLY REQUIRED. USE NIOSH APPROVED ACID
 RESPIRATOR IF SPRAY MIST IN AIR.
 Ventilation: NOT NORMALLY REQUIRED. LOCAL EXHAUST W/CORROSION RESISTANT &
 EXPLOSION PROOF EQUIPMENT.

Report for NIIN: 00F002782

Protective Gloves: RUBBER OR PLASTIC
 Eye Protection: GOGGLES
 Other Protective Equipment: RUBBER OR PLASTIC TO PREVENT PROLONGED SKIN
 CONTACT.
 Work Hygienic Practices: REMOVE/LAUNDER CONTAMINATED CLOTHING BEFORE
 REUSE.
 Suppl. Safety & Health Data: N/K

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Transportation Data

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Transportation Action Code:
 Transportation Focal Point:
 Trans Data Review Date:
 DOT PSN Code:
 DOT Symbol:
 DOT Proper Shipping Name:
 DOT Class:
 DOT ID Number:
 DOT Pack Group:

DOT Label:
 DOT/DoD Exemption Number:
 IMO PSN Code:
 IMO Proper Shipping Name:
 IMO Regulations Page Number:
 IMO UN Number:
 IMO UN Class:
 IMO Subsidiary Risk Label:
 IATA PSN Code:
 IATA UN ID Number:
 IATA Proper Shipping Name:
 IATA UN Class:
 IATA Subsidiary Risk Class:
 IATA Label:
 AFI PSN Code:
 AFI Symbols:
 AFI Prop. Shipping Name:
 AFI Class:
 AFI ID Number:
 AFI Pack Group:
 AFI Label:
 AFI Special Prov:
 AFI Basic Pac Ref:
 MMAC Code:
 N.O.S. Shipping Name:
 Additional Trans Data:

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Disposal Data

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Disposal Data Action Code:
 Disposal Data Focal Point:
 Disposal Data Review Date:
 Rec # For This Disp Entry:
 Tot Disp Entries Per NSN:

Report for NIIN: 00F002782

Landfill Ban Item:
 Disposal Supplemental Data:
 1st EPA Haz Wst Code New:
 1st EPA Haz Wst Name New:
 1st EPA Haz Wst Char New:
 1st EPA Acute Hazard New:
 2nd EPA Haz Wst Code New:
 2nd EPA Haz Wst Name New:
 2nd EPA Haz Wst Char New:
 2nd EPA Acute Hazard New:
 3rd EPA Haz Wst Code New:
 3rd EPA Haz Wst Name New:
 3rd EPA Haz Wst Char New:
 3rd EPA Acute Hazard New:

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Label Data

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Label Required: YES
 Technical Review Date: 28MAY93
 Label Date: 20MAY93
 MFR Label Number: N/K
 Label Status: F
 Common Name: AC 500
 Chronic Hazard: NO

Signal Word: WARNING!
Acute Health Hazard-None:
Acute Health Hazard-Slight:
Acute Health Hazard-Moderate: X
Acute Health Hazard-Severe:
Contact Hazard-None:
Contact Hazard-Slight:
Contact Hazard-Moderate: X
Contact Hazard-Severe:
Fire Hazard-None: X
Fire Hazard-Slight:
Fire Hazard-Moderate:
Fire Hazard-Severe:
Reactivity Hazard-None: X
Reactivity Hazard-Slight:
Reactivity Hazard-Moderate:
Reactivity Hazard-Severe:
Special Hazard Precautions: EYES: CORROSIVE & ALSO TO THE MUCOUS
MEMBRANES. SKIN: SEVERE IRRITATION, BURNING. INGESTION: HARMFUL,
IRRITATION, SWELLING & TISSUE DAMAGE TO MOUTH, THROAT & ESOPHAGUS.
INHALATION: IRRITATING TO NOSE & THROAT. TARGET ORGANS: EYES, SKIN,
DIGESTIVE TRACT.
Protect Eye: Y
Protect Skin: Y
Protect Respiratory: Y
Label Name: ROCHESTER MIDLAND
Label Street: 333 HOLLENBECK ST
Label P.O. Box: 1515
Label City: ROCHESTER

Report for NIIN: 00F002782

Label State: NY
Label Zip Code: 14603-1515
Label Country: US
Label Emergency Number: 716-266-2250
Year Procured: UNK

Section 1. Product and Company Identification

Product Name	AIRWICK® CRYSTAL'AIR™ AIR FRESHENER, DISK, ALL SCENTS (GEL)	MSDS#
Product Description	Air freshener containing a unique concentrated fragrance gel.	Validation Date 12/30/2003
Manufacturer	Reckitt Benckiser North America, Inc. Morris Corporate Center IV 399 Interpace Parkway (P.O. Box 225) Parsippany, N.J. 07054-0225	Print Date 12/30/2003
Product Identifier	Not available.	<u>In case of Emergency:</u> Telephone: 800-228-4722 <u>Transportation Emergencies:</u> Chemtrec: 1-800-424-9300 (U.S. & Canada) Outside the U.S & Canada (North America), call: 703-527-3887
Item Number	381683	
Formula Number	886-90 (F/F 381683) Mandarin & Green Tea; 886-57 (F/F 380226) Vanilla & Orchid scent.	
UPC Number	62338-77037 & 62338-77286 (Gel on glass disc, Mandarin & Green Tea); 62338-77036 & 62338-77287 (Gel on glass disc, Vanilla & Orchid scent).	

Section 2. Composition and Information on Ingredients

Name	CAS #	% by Weight	Exposure Limits : TLV/PEL
1) POLYMER	25655-35-0	15-20	Not available.
2) POLYOXYALKYLENEAMINE	9046-10-0	1-3	Not available.
3) FRAGRANCE	Not applicable, mixture.	>80	Not available.

Section 3. Hazards Identification

Emergency Overview	CAUTION: EYE IRRITANT. Causes eye irritation. Avoid eye contact with gel. KEEP OUT OF REACH OF CHILDREN AND PETS.
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Section 4. First Aid Measures

Eye Contact	In case of eye contact, immediately rinse eyes with plenty of water, remove any contact lenses and continue to rinse eyes with water for at least 15 minutes. If irritation persists, get medical attention.
Skin Contact	In keeping with good hygienic practices, wash exposed areas thoroughly with soap and water.
Inhalation	Remove to fresh air.
Ingestion	Remove any gel remaining in the mouth. Rinse mouth with water. Contact a physician or poison control center if symptoms develop. NEVER give an unconscious person anything to ingest.

Section 5. Fire and Explosion Data

Flammability	See Section 14 for any Shipping Classifications.
Flash Point	None.
Explosive Limits in Air	Not available.
Products of Combustion	None known.
Fire and Explosion Hazards	None known.
Fire Fighting Media and Instructions	Use water spray, foam, dry chemical or carbon dioxide, as suitable, for the surrounding fire.
Special Fire Fighting Instructions	Wear self-contained breathing apparatus and protective clothing appropriate for fighting a chemical fire.

Section 6. Accidental Release Measures

Accidental Spill	Single disk: Pick-up and reuse or discard if damaged or broken. Clean up any broken glass and gel then discard in the household trash. Large spills: Clean up any broken glass and gel. Rinse area well with water and dry to avoid slippery conditions. Dispose of in accordance with local, state and federal regulations for non-hazardous materials.
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Section 7. Handling and Storage

Handling and Storage	CAUTION: EYE IRRITANT. Causes eye irritation. Avoid eye contact with gel. Warnings: Avoid prolonged contact with gel itself. Do not place device with the perfumed side facing down. Do not place on a varnished surface. Do not expose to direct sunlight or near a source of heat. Store in original container in cool, dry, frost free secure area, inaccessible to children and pets. Protect from freezing. KEEP OUT OF REACH OF CHILDREN AND PETS.
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Section 8. Exposure Controls/Personal Protection

Ventilation Requirements	No specific controls are needed.
Eye Protection	None required under normal use conditions. Emergency responders should wear full eye and face protection.
Skin Protection	None required under normal use conditions. Emergency responders should wear impermeable gloves.
Respiratory Protection	None required.
Other Protection	None required.
Work/Hygienic Practices	Washing with soap and water after use is recommended as good hygienic practice to prevent possible skin irritation and/or eye irritation from hand contact.

Section 9. Physical and Chemical Properties

Description	Solid. (Transparent rubbery gel.)	Odor	Mandarine & Green Tea = Fruity / Floral / Musk / Woody. Vanilla & Orchid = Creamy vanilla / Musk / Floral.
pH	Not available.	Color	Mandarine & Green Tea = Green; Vanilla & Orchid = Lt. amber golden color.
Boiling/Condensation Point	Not available.		
Specific Gravity	Not available.		
Vapor Pressure	Not available.		
Vapor Density	Not available.		
Viscosity	Not available.		
Solubility	Complete.		
Physical Chemical Comments	Not available.		

Section 10. Stability and Reactivity Data

Chemical Stability	The product is stable.
Conditions of Instability	None known.
Incompatibility with Various Substances	None known.
Hazardous Decomposition Products	None known.
Hazardous Polymerization	Will not occur.

Section 11. Toxicological Information

Exposure effects

Eye Contact	Eye irritant.
Skin Contact	Not a primary skin irritant.
Inhalation	Not tested for inhalation toxicity.
Ingestion	Not orally toxic.
Carcinogenicity	Not listed as carcinogenic by OSHA, NTP or IARC.

Section 12. Ecological Information

Ecotoxicity	Not available.
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Section 13. Disposal Considerations

Waste Disposal	Small quantities of waste: Discard absorbed material in trash collection. Spent gadget may be disposed of with normal household waste.
	Large quantities: Contain and collect for evaluation and disposal according to local, state and federal regulations.

Section 14. Transport Information

DOT Classification	Not regulated by DOT (United States).	
Proper Shipping Name	Not applicable.	
DOT Identification Number	Not applicable.	
Packing Group	Not applicable.	
Maritime Transportation	Not applicable.	
Hazardous Substances Reportable Quantity	Not applicable.	
Special Provisions for Transport	Not applicable.	
TDG Classification	Not regulated by TDG.	
ADR Classification	Not applicable.	
IMDG Classification	Not regulated by IMDG.	
IATA Classification	Not regulated by IATA.	

Section 15. Regulatory Information

Federal and State Regulations	SARA Title III, Section 313 Toxic Chemical Notification & Release Reporting:	
	None	
	California Proposition 65: This product contains the following ingredients which require a warning under the Safe Drinking Water & Toxic Enforcement Act: 1) None	
Other Classifications	WHMIS (Canada)	Not controlled under WHMIS (Canada).

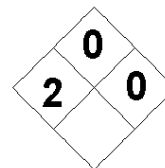
Section 16. Other Information

HMIS (U.S.A.)

Health Hazard	2
Fire Hazard	0
Reactivity	0
Personal Protection	B

**National Fire Protection
Association (U.S.A.)**

Health



Fire Hazard

Reactivity

Specific hazard

NFPA Aerosol Level

Not applicable.

Validated by Product Safety on 12/30/2003.

Printed 12/30/2003.

Notice to Reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

BIOBOR JF®

Material Safety Data Sheet

Effective 1/1/2004

Emergency Telephone Number 1-800-424-9300

1. CHEMICAL PRODUCT AND COMPANY INFORMATION

Product Information: Biobor JF®
Generic Description: Substituted Dioxaborinanes
Product Use: Biocide

TSCA NO.: n/a

Pesticide-exempt from TSCA

Inventory under TSCA § (2) (B) (ii)

CAS NO: 8063-89-6

EPA REG. NO.652217-1

HAZARD RATINGS

	HMIS	NFPA
Health	1	1
Fire	2	2
Reactivity	0	0

*=Chronic

For customer service/technical information, contact:

Hammonds Fuel Additives, Inc.
15760 West Hardy, Suite 400
Houston TX 77060-3147
(800)548-9166

ChemTrec Emergency
(800)424-9300

2. COMPOSITION/INFORMATION ON INGREDIENTS

Common Name	CAS#	Approximate % (w/w)
Substituted dioxaborinanes	See below*	95.0
Naphtha	8030-30-6	4.5
Non-hazardous and other ingredients below reportable levels		Balance

*2,2' - (1-methyltrimethylenedioxy) bis - (4-methyl-1, 3, 2-dioxaborinane);
2,2' - oxybis (4, 4, 6 - trimethyl-1, 3, 2-dioxaborinane) (CAS No.: 8063-89-6).

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: COMBUSTIBLE LIQUID AND VAPOR (FLAMMABLE IF SHIPPED BY AIR/VESSEL). INHALATION MAY CAUSE DIZZINESS, HEADACHE AND INCOORDINATION. INGESTION CAN CAUSE DIZZINESS, FAINTNESS, HEADACHE AND INCOORDINATION. MAY CAUSE RESPIRATORY TRACT IRRITATION. MAY CAUSE DIGESTIVE TRACT IRRITATION. INGESTION MAY CAUSE NAUSEA, VOMITING, PAIN, UPSET STOMACH, DIARRHEA. INHALATION MAY CAUSE NAUSEA, VOMITING, UPSET STOMACH. MAY CAUSE EYE IRRITATION. MAY CAUSE SKIN IRRITATION. PROLONGED OR REPEATED CONTACT MAY DRY SKIN AND CAUSE IRRITATION. See sections 3, 5, & 6.

PRIMARY ROUTE OF EXPOSURE: Eye. Skin. Inhalation (breathing).

EYE CONTACT: May cause slight to mild irritation. May cause corneal opacity (clouding of the eye surface). Can cause burning sensation, tearing, and redness.

SKIN CONTACT: May cause slight to mild irritation. Prolonged or repeated contact may dry the skin and lead to irritation (i.e. dermatitis).

INHALATION (Breathing): (Irritating to the eyes, nose and respiratory tract. Can cause dizziness, headaches, and incoordination. Nausea, vomiting and stomach upset can occur.

BIOBOR JF®

INGESTION (Swallowing): (Irritating to the mouth, throat and stomach. May cause nausea, vomiting, pain and stomach upset (e.g., diarrhea). Can cause dizziness, faintness, headache and incoordination.)

TARGET ORGANS/CHRONIC EFFECTS: Eyes. Skin.

CONDITIONS AGGRAVATED BY EXPOSURE: Skin.

CARCINOGENICITY:

	ACGIH	IARC	NTP	OSHA
Substituted dioxaborinanes	No	No	No	No
Naphtha	No	No	No	No

4. FIRST AID MEASURES

EYE CONTACT: Immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation persists.

SKIN CONTACT: Immediately flush with water. Remove contaminated clothing and shoes. Get medical attention if irritation persists. Professionally wash clothing and shoes before re-use.

INHALATION (Breathing): Remove to fresh air. If symptoms develop, seek immediate medical attention. If not breathing, give artificial respiration.

INGESTION (Swallowing): Seek medical attention. Immediately induce vomiting, as directed by medical personnel. Never give anything by mouth to an unconscious person.

NOTES TO PHYSICIANS: Treatment should be directed at preventing absorption, administering to symptoms (if they occur), and providing supportive therapy.

5. FIRE FIGHTING METHODS

Flash Point.....102° F 38.8° C
Explosive limits: LEL (%) Not Determined UEL (%) Not Determined
Autoignition.....Not determined
Method.....: Tagliabue Closed Cup

HAZARDOUS COMBUSTION AND DECOMPOSITION PRODUCTS: Smoke, soot, and toxic/irritating fumes (i.e., carbon dioxide, carbon monoxide, etc.).

FIRE AND EXPLOSION HAZARDS: High temperatures can cause sealed containers to rupture due to a buildup of internal pressure. Cool with water. Vapors can travel to a source of ignition (flame, electric motor, hot surface, cigarette etc.) and flash back. During a fire, irritating and highly toxic gases may be generated during combustion or decomposition.

FIRE FIGHTING PROCEDURES/EQUIPMENT: Fire fighters and others who may be exposed to the products of combustion should be equipped with NIOSH-approved positive pressure self-contained breathing apparatus (SCBA) and full protective clothing.

BIOBOR JF®

6. ACCIDENTAL RELEASE MEASURES

EVACUATION: Isolate hazard area. Keep unnecessary and unprotected personnel from entering. Eliminate all sources of ignition.

CONTAINMENT: Safely stop discharge. Contain material, as necessary, with a dike or barrier. Stop material from contaminating soil, or from entering sewers or bodies of water.

CLEAN-UP/PERSONAL PROTECTION EQUIPMENT: Appropriate safety measures and protective equipment should be used. Use supplied air respirator or self-contained breathing apparatus in enclosed spaces, or if airborne exposure limits can be exceeded. See Section 8.

COLLECTION AND DISPOSAL: Stop discharge, if safe to do so. Use proper protective equipment. Use non-sparking tools and/or explosion-proof equipment. Stop ignition sources. Cover spills with absorbent clay or sawdust and place in closed chemical waste containers. Dispose of according to applicable local, state and federal regulations.

REPORTING: Spills of this material in excess of a component's RQ must be reported to the National Response Center (800-424-8802) and to the appropriate state and local emergency response organizations.

7. HANDLING AND STORAGE

STORAGE CONDITIONS: Store in cool, dry, well ventilated area away from heat, ignition sources, and direct sunlight. Keep containers tightly closed. **WARNING:** Hot organic chemical vapors or mists can suddenly, and without warning, combust when mixed with air. Ignition can occur at typical elevated temperature process conditions. Any use in such processes should be evaluated thoroughly to assure safe operating conditions.

TRANSFER: Containers should be supported and grounded before opening, dispensing, mixing, pouring and emptying. Open with non-sparking tools. If container is warm, open bung slowly to release internal pressure.

PERSONAL HYGIENE: Wash thoroughly after handling, especially before eating, drinking, smoking and using restroom facilities. Wash contaminated goggles, faceshield and gloves. Professionally launder contaminated clothing before re-use.

EMPTY CONTAINER PRECAUTIONS: Attention! This container hazardous when empty. Follow label warnings even after container is emptied since empty containers may retain product residues. Do not use heat, sparks, open flames, torches, cigarettes on or near empty container. Do not reuse empty container without professional cleaning for food, clothing, or products for human or animal consumption or where skin contact can occur.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

EXPOSURE GUIDELINES:

ACGIH - TLV - No regulated ingredients.

OSHA - PEL
Naphtha

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BIOBOR JF®

ENGINEERING CONTROLS/VENTILATION: Local exhaust ventilation is recommended when vapors, mists or dusts can be released in excess of established airborne exposure limits (TLVs or PELs).

EYE PROTECTION: Wear chemical splash goggles. An eye wash facility should be readily available.

SKIN PROTECTION: Wear protective clothing and appropriate impervious gloves. Because a variety of protective gloves exist, consult glove manufacturer to determine the proper type for a specific operation.

RESPIRATORY PROTECTION: Avoid breathing vapor and/or mists. Wear NIOSH/MSHA-approved equipment. Determine the appropriate type of consulting the respirator manufacturer. High airborne concentrations may necessitate the use of self-contained breathing apparatus (SCBA)

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	:	Yellow	Odor	:	Aromatic
Physical State	:	Liquid	Solubility	:	Moderately soluble
pH	:	Not Applicable	Boiling Point	:	529° F 276.1° C
Vapor Density	:	> 1 Air = 1	Evaporation Rt.	:	< 1 (n-Butyl alcohol)
VOC Material	:	Not Determined	Specific Gravity:		1.05
%Non-Vol (w/w):		95			

NOTE: The physical data presented above are typical values and should not be construed as a specification.

10. STABILITY AND REACTIVITY

CHEMICAL STABILITY:	Stable under normal conditions of use.
HAZARDOUS POLYMERIZATION:	Will not occur.
CONDITIONS TO AVOID:	High temperatures.
INCOMPATIBILITY WITH OTHER MATERIALS:	Water. Oxidizers.

11. TOXICITY INFORMATION

COMPONENTS:

Substituted dioxaborinanes:

Eye, skin, and respiratory tract irritant.

Oral LD ₅₀	Rat	3.16 ml/Kg
Dermal LD ₅₀	Rabbit	9.1 ml/Kg

Naphtha:

Eye, skin, and respiratory tract irritant.

12. ECOLOGICAL INFORMATION

No data are available on this product.

13 DISPOSAL CONSIDERATIONS

DISPOSAL: When a decision is made to discard this material as supplied, it meets RCRA's characteristic definition of ignitability.

GENERAL STATEMENTS: Federal regulations may apply to empty container. State and/or local regulations may be different.

GENERAL RECOMMENDATIONS: Of the methods of disposal currently available, it is recommended that an alternative be selected according to the following order of preference, based upon environmental acceptability: (1) recycle or rework, if feasible; (2) incinerate at an authorized facility; or (3) treat at an acceptable waste treatment facility.

SPECIAL INSTRUCTIONS: Be sure to contact the appropriate government environmental agencies if further guidance is required.

14. TRANSPORT INFORMATION

	Flammable liquids, n.o.s. (petroleum naphtha)	49 CFR Y	IATA Y	IMO Y
DOT Label :	Flammable Liquid	UN/NA Id Num:	UN 1993	
DOT Label No. :	L152 (For Canadian Shipments F 154)			
Hazard Class :	3 (IATA/49 CFR) 3.3 (IMO)			
Packing Group :	III	WHMIS Label :	F 152	

15. REGULATORY INFORMATION

FEDERAL:

This product is considered hazardous under the OSHA Hazard Communication Standard (29 CFR 1910.1200).

SARA Title III - Section 311/312 - Hazard Categories:

Y- Fire Hazard
N - Sudden Release of Pressure Hazard
N - Reactivity Hazard
Y - Immediate (acute) Health Hazard
N - Delayed (chronic) Health Hazard

Ozone-Depleting Chemicals - No regulated ingredients.

SARA Section 302 Extremely Hazardous Mat - No regulated ingredients.

SARA Section 313 Toxic Chemicals - No regulated ingredients.

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BIOBOR JF®

STATE RIGHT-TO-KNOW:

Pennsylvania - New Jersey R-T-K			
Substituted dioxaborinanes	8063-89-6	95.0	
Naphtha	8030-30-6	4.5	
Non-hazardous trade secret ingredient(s)	Proprietary Balance		
California - California Proposition 65			
WARNING:	This product contains a chemical(s) known to the State of California to cause cancer.		
Arsenic	7440-38-2	Trace *	
Cancer Hazard.			

*Trace = present at less than 0.01 percent.

CONEG - No data available.

CANADA:

This is a "controlled product" under the Canadian Workplace Hazardous Materials Information System (WHMIS).

Class B Division 3

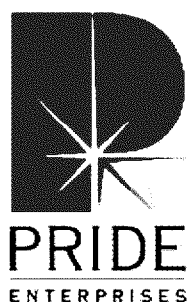
Class D Division 2 Sub-division B

CEPA - NPRI - No regulated ingredients.

16. OTHER INFORMATION

USER'S RESPONSIBILITY: A bulletin such as this cannot be expected to cover all possible individual situations. As the user has the responsibility to provide a safe workplace, all aspects of an individual operation should be examined to determine if, or where, precautions - in addition to those described herein - are required. Any health hazard and safety information herein should be passed on to your customers or employees, as the case may be.

DISCLAIMER OF LIABILITY: The information contained herein is, to the best of our knowledge and belief, accurate. However, since the conditions of handling and use are beyond our control, we make no guarantee of results, and assume no liability for damages incurred by use of this material. All chemicals may present unknown health hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards which exist. Final determination of suitability of the chemical is the sole responsibility of the user. No representations or warranties, either expressed or implied, of merchantability, fitness for a particular purpose or any other nature are made hereunder with respect to the information contained herein or the chemical to which the information refers. It is the responsibility of the user to comply with all applicable federal, state and local laws and regulations.



Bleach 5.25 %

GENERAL PURPOSE BLEACH

BLEACH PRODUCTS

DESCRIPTION: PRIDE'S BLEACH 5.25% is a premium, general purpose liquid bleach for use on kitchen sinks and countertops, floors, vinyl, woodwork, appliances and laundry. The chlorine percentage, as the active ingredient, decreases in effectiveness with time in storage; therefore it is important to rotate stock on a first in/first out basis.

DIRECTIONS:

❖ **LAUNDRY USE**

- Use for white and fast colors only.
- Use 1 cup of **BLEACH 5.25%** in a standard home-style washer.
- For extra large or industrial-style washers, use 1 cup per 10 pounds of wash load.
- To hand wash or pre-treat stains and heavy soils, rinse with clean warm water first to remove loose dirt then soak garments for 5 minutes in water with a ¼ cup bleach.
- Rinse thoroughly before washing.
- In automatics, bleach should be added to suds water.

❖ **GENERAL USE:**

- Use ¾ cup of **BLEACH 5.25%** per gallon of warm water.
- Let stand 5 minutes before rinsing.
- For prolong use, wear gloves.
- As a disinfectant, add 1/8 cup of **BLEACH 5.25%** per gallon of warm water.
- Do not use on silverware, copper, aluminum, or iron vessels.
- Do not use with other toilet bowl cleaners or other household chemicals

PACKAGING:

SIZE

4/1 gallon case
55 gallon barrel

CATALOG #

64405204
64400255

PRODUCT SPECIFICATIONS

Appearance:	Clear Liquid
Color:	Yellow
Odor:	Strong Chlorine
pH:	>12.0
Specific Gravity:	1.060 - 1.080
Viscosity:	<10
Chlorine Percent by Weight:	>5.25%

PRIDE ENTERPRISES

P. O. Box 1425 Avon Park, FL 33826

Phone: 863-452-3872 Fax: 863-452-3878 www.pride-enterprises.org

CONTROLLED

Issue Date: 08/10/05
Form PB644002, Rev (E)

MATERIAL SAFETY DATA SHEET

Prepared By: D. Wilson

(Prepared According to 29 CFR 1910.1200)

Effective Date: 08/10/05

SECTION 1- PRODUCT IDENTIFICATION AND SUPPLIER INFORMATION

Product Name: GENERAL PURPOSE BLEACH 5.25%
Generic Name: General Purpose Bleach
Product Group: Bleach Products

Manufacturer's Name: SANITARY MAINTENANCE & SUPPLY
P.O. BOX 1425
AVONPARK, FL 33826
Phone #: (863)-452-3872

SECTION 2- INGREDIENT INFORMATION

CHEMICAL NAME	CAS #	WT %	PEL	TWA- TLV	STEL- TLV
Sodium Hydroxide	1310-73-2	<30	2 mg/m ³	N.A.	N.A.
Sodium Hypochlorite	7581-52-9	N.A.	N.A.	N.A.	N.A.

SECTION 3- PHYSICAL DATA

Boiling Point: >212°F
Vapor Pressure: 17 mm @ 20° C
% Volatile: 57%
Solubility in Water: complete
Physical Description: clear yellow liquid, strong chlorine odor

Specific Gravity: 1.060 – 1.080
Vapor Density (Air=1): <1
pH: >12.0
Evaporation Rate (Water=1): >1

SECTION 4- FIRE AND EXPLOSION HAZARD DATA

Flash Point: none
Extinguishing Media: none
Special Firefighting Procedures: Wear protective gear and self-contained breathing apparatus.
Unusual Fire and Explosion Hazards: N.A.
Upper Explosion Limits: N.A. **Lower Explosion Limits:** N.A.

SECTION 5- REACTIVITY DATA

Stability: stable
Hazard Decomposition Products: Thermal decomposition yields Cl and ClO₂.

Incompatibility (Materials to Avoid): Ammonia, strong acids, strong oxidizers.
Hazardous Polymerization: Will not occur

SECTION 6- STORAGE AND HANDLING INFORMATION

Avoid contact with skin and eyes. Avoid breathing mists. Keep containers closed when not in use. Store in a cool, well ventilated.

SECTION 7- HEALTH HAZARDS AND FIRST AID

Effects of Overexposure
Skin: Corrosive and irritating; chemical burns may result from contact.
Eyes: Corrosive, contact with eyes is painful and irritating and will cause chemical burns, severe irritant.
Inhalation: Corrosive and irritating to upper respiratory tract and mucous membranes.
Ingestion: Corrosive and irritating to digestive tract, may cause gastric distress, stomach pains and vomiting.
First Aid Procedures
Skin: Wash affected area with soap and water 15 minutes. DO NOT attempt to neutralize with chemicals. If burning or irritation persists, seek medical attention.
Eyes: Flush eyes 15 minutes, then get medical attention immediately.
Inhalation: Remove to fresh air. If symptoms persist, seek medical attention.
Ingestion: DO NOT INDUCE VOMITING. Drink large quantities of water or milk. DO NOT induce vomiting. Seek medical attention immediately.

SECTION 8- SPECIAL PROTECTION INFORMATION

Ventilation Requirements: mechanical
Protective Gloves: wear neoprene or rubber
Eye Protection: goggles with side shields or full-face shield
Other Protective Equipment: safety eye bath nearby

SECTION 9- SPILL OR LEAK PROCEDURES

Cleanup Procedure for Spills: CORROSIVE. Wash small spills to sanitary sewer with lots of water. Large spills – confine spill, soak up with approved absorbent, and dispose of into approved container. For spills in excess of allowable limits, notify National response Center (800) 424-8802. Refer to CERCLA 40 CFR 302 for reporting requirements.
Waste Disposal: Dispose of recovered material by incinerating or burying in an approved landfill in accordance with local, state and federal regulations, or consign waste to a licensed hazardous waste contractor.

SECTION 10- REGULATORY INFORMATION

SARA Title III – Section 311/312 – Hazard: (Y/N): N
Fire: N
Sudden Release of Pressure: N
Reactivity: Y
Acute (IMMEDIATE) Health Hazard: Corrosive to skin, eyes, respiratory and digestive tissue.
Chronic (DELAYED) Health Hazard: Corrosive to skin, eyes, respiratory and digestive tissue.
Other: May aggravate pre-existing skin, eye or respiratory conditions with long term exposure.

Shipping Information
Shipping Name: Hypochlorite solutions
Hazard Class: 8
Reference: 49 CFR 172.101
Identification: UN 1791
Label: Corrosive

HMIS Hazardous Material Identification System

Health	1
Flammability	0
Reactivity	0
Personal Protection	1

For emergency and medical help line, call INFOTRAC at 1-800-535-5053, 24 hours a day, 7 days a week for information on all our products and/or MSDS. Obtain an MSDS at www.pride-enterprises.org/MSDS/menu.htm or call customer service at (863)-452-3872.

SECTION 11- OTHER INFORMATION

This company cannot anticipate all conditions of handling and use of this product. Therefore, this company accepts No responsibility for results obtained by the application of this information, or the safety and suitability of our products either alone or in combination with other products. It is the responsibility of the user to provide a safe workplace, using the health and safety information contained herein as a guide. This company will accept NO liability for damages or loss incurred from the improper handling and use of this product.

MATERIAL SAFETY DATA SHEET

MSDS L-112 REVISION 7

THE DIAL CORPORATION
CENTER FOR INNOVATION
15101 NORTH SCOTTSDALE ROAD
SCOTTSDALE, ARIZONA 85254-9934

MEDICAL EMERGENCIES: 1-888-689-9082
CHEMTREC: 1-800-424-9300 (24 Hours Daily)
OTHER INFORMATION: 1-888-468-6673

SUBSTANCE IDENTIFICATION

SUBSTANCE: POWDERED HAND SOAP

TRADE NAMES/SYNONYMS: **BORAXO® POWDERED HAND SOAP - INDUSTRIAL**
BORAXO® POWDERED HAND SOAP - SPECIAL HEAVY DUTY
BORAXO® POWDERED HAND SOAP - HOUSEHOLD
BORAXO® LURON POWDERED HAND SOAP - PINK
TWENTY MULE TEAM® POWDERED HAND SOAP

CHEMICAL FAMILY: Mixture

I.D. NUMBERS: 900606 (Industrial), 900607 (Special Heavy Duty), 900608 (Twenty Mule Team),
900621 (Household), 900631 (Luron)

NFPA RATINGS (Scale 0-4, where 4=high degree of hazard): HEALTH=1 FLAMMABILITY=1 REACTIVITY=0
HMIS RATINGS (Scale 0-4, where 4=severe hazard): HEALTH=1 FLAMMABILITY=1 REACTIVITY=0

This product is labeled in accordance with guidelines set forth in the Food, Drug, and Cosmetic Act. The use pattern and exposure in the workplace are generally not consistent with those experienced by consumers. The requirements of the Occupational Safety and Health Administration applicable to this Material Safety Data Sheet may differ from the requirements of the FD & C Act and as a result, this MSDS may contain additional health hazard information not pertinent to consumer use and not found on the product label.

HAZARDOUS INGREDIENT INFORMATION

COMPONENT: SODIUM SOAP CAS# 67701-11-5 & 67701-10-4
SOAP DUST = PARTICLES NOT OTHERWISE SPECIFIED
15 mg/m³ OSHA TWA (total dust); 5 mg/m³ OSHA TWA (respirable fraction)
10 mg/m³ ACGIH TWA (total dust); 3 mg/m³ ACGIH TWA (respirable fraction)

COMPONENT: SODIUM BORATE DECAHYDRATE (BORAX) CAS# 1303-96-4
10 mg/m³ OSHA TWA
5 mg/m³ ACGIH TWA

Carcinogen status of components: Not listed as carcinogenic by NTP, IARC, or OSHA.

PHYSICAL AND CHEMICAL DATA

DESCRIPTION: White or pink granular powder with a pleasant fragrance.

pH: 9.1 (1% Solution) SOLUBILITY IN WATER: Approximately 5% @ 20 °C.

FIRE AND EXPLOSION DATA

FIRE AND EXPLOSION HAZARD - The fire hazard for this product has not been determined. The hazard(s) of the component(s) with the most severe hazard(s) are: Dust - air mixtures may explode.

FIRE FIGHTING MEDIA - Dry chemical, carbon dioxide, water spray or regular foam. For larger fires, use water spray, fog or regular foam.

FIRE FIGHTING - Move container from fire area if you can do it without risk. Do not scatter spilled material with high - pressure water streams. Dike fire-control water for later disposal. Use agents suitable for type of surrounding fire. Avoid breathing hazardous vapors, keep upwind.

HEALTH HAZARD DATA

NOTE: The acute health effects described below are those which could potentially occur for the finished product. They are based on the toxicology information available for the finished product and/or each hazardous ingredient, and are consistent with the product type and the likelihood of a specific route of exposure. Known chronic health effects related to exposure to a specific ingredient are indicated.

ACUTE HEALTH EFFECTS:

- INHALATION:** Dusts may cause mucous membrane and respiratory tract irritation.
- SKIN CONTACT:** Repeated or prolonged exposure can result in defatting and drying of the skin which may result in irritation and dermatitis. Absorption of sodium borate through severely damaged skin can result in effects and symptoms similar to those following ingestion. However, there are no cases of poisoning from occupational exposures reported in the literature.
- EYE CONTACT:** May cause moderate to severe irritation, with possibility of corneal injury if not removed promptly.
- INGESTION:** Large quantities may cause nausea, vomiting, abdominal pain, diarrhea, lethargy, headache, lightheadness, or atypical rash.

CHRONIC HEALTH EFFECTS:

No chronic health effects are expected from the intended use of these products or from foreseeable handling of them in the workplace. Nonetheless, the following effects have been reported for a component, sodium borate, and boric acid. Sodium borate upon entry into the body becomes boric acid.

Sodium Borate: Depending upon the dose, sodium borate and boric acid interfere with sperm production, damage the testes and interfere with male fertility when given to animals by mouth at high doses. Depending upon the dose, boric acid produces developmental effects, including reduced body weight, malformations and death, in the offspring of pregnant animals given boric acid by mouth.

The above mentioned animal studies were conducted under exposure conditions leading to doses many times in excess of those that could occur through product use or inhalation of dust in occupational settings. Moreover, a human study of occupational exposure to sodium borate and boric acid dusts showed no adverse effect on fertility.

MEDICAL CONDITIONS GENERALLY RECOGNIZED AS BEING AGGRAVATED BY EXPOSURE: Persons with history of chronic skin conditions.

EMERGENCY AND FIRST AID PROCEDURES

INHALATION: Remove from exposure area to fresh air immediately. Keep affected person warm and at rest. Treat symptomatically and supportively. Contact physician or local poison control center. If breathing has stopped, give artificial respiration, and get medical attention immediately.

SKIN CONTACT: Rinse affected area until no evidence of product remains. Get medical attention if symptoms of overexposure, as described above for ingestion, develop or if irritation persists.

EYE CONTACT: Immediately rinse eyes with plenty of water, occasionally lifting upper and lower lids, until no evidence of product remains. Get medical attention if pain or irritation persist.

INGESTION: Treat symptomatically and supportively. Maintain airway and respiration. If vomiting occurs, keep head below hips to prevent aspiration. Dilution by rinsing the mouth and giving water or milk to drink is generally recommended. If unconscious, the victim should not be given anything to drink. Contact physician or local poison control center.

REACTIVITY

REACTIVITY - Stable under normal temperatures and pressures.

INCOMPATIBILITIES: Strong oxidizers, zirconium.

DECOMPOSITION - Thermal decomposition may release toxic and/or hazardous gases.

POLYMERIZATION - Hazardous polymerization has not been reported to occur under normal temperatures and pressures.

STORAGE AND DISPOSAL

Store away from incompatible substances. Observe all federal, state and local regulations when storing or disposing of this substance.

CONDITIONS TO AVOID

Avoid contact with incompatible substances and excessive heat.

SPILL AND LEAK PROCEDURES

OCCUPATIONAL SPILL - Sweep up and place in suitable clean, dry containers for reclamation or later disposal. Do not flush spilled material into sewer. Keep unnecessary people away.

OCCUPATIONAL PROTECTIVE EQUIPMENT

VENTILATION - Provide local exhaust ventilation to meet permissible exposure limits where generation of dust is likely to occur.

RESPIRATOR - Air contamination monitoring should be carried out where generation of dust is likely to occur to assure that the employees are not exposed to harmful concentrations exceeding permissible exposure limits. If respiratory protection is required, it must be based on the contamination levels found in the workplace, must not exceed the working limits of the respirator and be jointly approved by the National Institute for Occupational Safety and Health and the Mine Safety and Health Administration (NIOSH-MSHA).

FOR FIRE FIGHTING AND OTHER IMMEDIATELY DANGEROUS TO LIFE OR HEALTH CONDITIONS -

Any self-contained breathing apparatus that has a full facepiece and is operated in a pressure-demand or other positive-pressure mode. Any supplied-air respirator that has a full facepiece and is operated in a pressure-demand or other positive-pressure mode in combination with an auxiliary self-contained breathing apparatus operated in pressure-demand or other positive-pressure mode.

CLOTHING - Protective clothing should be worn where prolonged skin contact may occur.

GLOVES - Chemical-resistant gloves should be worn where prolonged skin contact may occur.

EYE PROTECTION - Safety glasses are not generally required during occupational conditions, unless dusty conditions are anticipated.

REGULATORY INFORMATION

DOT FLAMMABILITY CLASSIFICATION: Not applicable.
Page 3 of 4

EPA - SARA TITLE III SECTION 313:

Not applicable – Consumer product.

TSCA:

All components of this product are listed or are exempted or excluded from listing on the U.S. Toxic Substances Control Act (TSCA) chemical substance inventory.

The information contained herein is provided in good faith and is believed to be correct as of the date hereof. However, The Dial Corporation makes no representation as to the comprehensiveness or accuracy of the information. It is expected that individuals receiving the information will exercise their independent judgment in determining its appropriateness for a particular purpose. Accordingly, The Dial Corporation will not be responsible for damages of any kind resulting from the use of or reliance upon such information. No representations, or warranties, either expressed or implied of merchantability, fitness for a particular purpose or of any other nature are made hereunder with respect to the information set forth herein or to the product to which the information refers.

MSDS CREATION DATE: 04/24/92

SUPERSEDES: 12/29/00 Rev. 6

REVISION DATE: 10/27/04

REVISION: Updated ID Numbers, Trade Names, Physical & Chemical Data and Regulatory Sections.



The Procter & Gamble Company
P&G Household Care
Fabric & Home Care Innovation Center
5299 Spring Grove Avenue
Cincinnati, OH 45217-1087

MATERIAL SAFETY DATA SHEET

MSDS #: FH/F/2006/CBCA-6MUJBD
Supersedes: FH/F/2005/ASAR/6DMHMu

Issue Date: 4/4/2006
Issue Date: 12/15/2005

SECTION I - CHEMICAL PRODUCT

Identity: **Fabric Softener Dryer Sheets**

Finished Product

Brands: **BOUNCE (all variations except Free)**

P&G Telephone Number: 1-800-682-1523
or call Local Poison Control Center or your physician

SECTION II - COMPOSITION AND INGREDIENTS

Nonionic and cationic fabric conditioning agents, perfume, and non-woven cloth

Hazardous Ingredients as defined by OSHA, 29 CFR 1910.1200.

<u>Chemical Name</u>	<u>Common Name</u>	<u>CAS No.</u>	<u>Composition Range</u>	<u>LD50/LC50</u>
None				

SECTION III - HAZARDS IDENTIFICATION**Potential Health Hazards (Acute and Chronic):** (See Section 11 for more information)

Ingestion: Ingestion of used or unused sheet by a young child or household pet may lead to impaction of the gastrointestinal tract. A physician or veterinarian should be consulted.

Eye Contact: Eye contact possible.

Skin Contact: Skin contact possible.

Inhalation: N/A.

Signs and Symptoms of Exposure:

Ingestion: Oral ingestion may result in mild gastrointestinal irritation with nausea, vomiting or diarrhea.

Eye Contact: Prolonged instillation into the eye may result in transient superficial effects similar to those produced by mild toilet soap.

Skin Contact: Prolonged skin contact may result in transient superficial effects similar to those produced by mild toilet soap.

Inhalation: N/A.

Potential Environmental Effects: (See Section 12 for more information)**SECTION IV – FIRST AID INFORMATION****First Aid Procedures:**

Ingestion: Consult physician if ingestion of sheet is suspected to ensure the sheet passes through.

Eye Contact: Flush eyes with water.

Skin Contact: N/A.

Inhalation: N/A.

Other: Consumer product packages have a caution statement: “Not for use on children’s sleepwear or other garments labeled as flame resistant as it may reduce flame resistance. Keep out of the reach of toddlers and pets to avoid accidental ingestion.”

SECTION V - FIRE FIGHTING INFORMATION

Flammable Properties: Keep away from open flame.

Extinguishing Media:

Suitable: CO₂, water or dry chemical may be used.

Protection of Firefighters:

Specific Hazards Arising from the Material: Burning can produce carbon monoxide and/or carbon dioxide.

SECTION VI - ACCIDENTAL RELEASE MEASURES

Personal Precautions - Occupational: Minimize dust levels while collecting product (see "Inhalation" health effects). Prevent exposure to dust with NIOSH approved respirators with HEPA filters. Use gloves to minimize skin contact.

Environmental Precautions: : DISPOSAL IS TO BE PERFORMED IN COMPLIANCE WITH ALL FEDERAL, STATE/PROVINCIAL AND LOCAL REGULATIONS. Household solutions may be disposed of in sewer. Dry product may be landfilled if permitted by local regulations. Discard empty container in trash.

Methods for Containment: N/A

Methods for Cleanup: N/A

SECTION VII – HANDLING AND STORAGE

Precautions To Be Taken in Handling: No special precautions for casual exposure.

Precautions To Be Taken in Storage: None required.

SECTION VIII - EXPOSURE CONTROLS, PERSONAL PROTECTION

Exposure Guidelines: No special precautions for casual exposure.

Engineering Controls: N/A

Personal Protective Equipment (PPE): N/A

Eye/Face Protection: None required.

Skin Protection: None required.

Respiratory Protection: No special precautions for casual exposure.

SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

Appearance (color, physical form, shape): Opaque white sheets. Product is perfumed.

Odor: Perfumed

Odor Threshold: N/A

Physical State: Solid

Vapor Pressure (mm Hg): N/A

Vapor Density (Air=1): N/A

Boiling Point: N/A

Partition Coefficient (n-octanol/water): N/A

Solubility in Water: Limited

Flash Point (Method Used) N/A

Explosive Limits: LEL: N/A UEL: N/A

Auto-Ignition Temperature: N/A

Decomposition Temperature: N/A

Evaporation Rate (nBuOAc=1): N/A

Specific Gravity/Density: N/A

Melting/Freezing Point: N/A

pH: N/A

Reserve Alkalinity: N/A

SECTION X - STABILITY AND REACTIVITY

Chemical Stability: Stable

Conditions to Avoid: Open flame

Incompatible Materials: None

Hazardous Decomposition Products: Burning can produce carbon monoxide and/or carbon dioxide.

Possibility of Hazardous Reactions: None known

SECTION XI - TOXICOLOGICAL INFORMATION

LD50 (rats oral): The LD50 of the material with which the sheet is coated is >10.0 gm/kg.

ED50: >1.5 gm/kg (coating mixture)

If ingested, mild gastrointestinal irritation with nausea, vomiting, and diarrhea may be observed. Intestinal tract blockage is also possible following ingestion. Eye contact with the product may produce transient, superficial irritation.

SECTION XII - ECOLOGICAL INFORMATION

The product is intended for wide dispersive use. The active ingredients are compatible with down-the-drain disposal route. These ingredients are not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment at relevant environmental concentrations. The softening agents used in the product are biodegradable.

SECTION XIII - DISPOSAL CONSIDERATIONS

Waste Disposal Method: DISPOSAL IS TO BE PERFORMED IN COMPLIANCE WITH ALL FEDERAL, STATE/PROVINCIAL AND LOCAL REGULATIONS. Sweep up and dispose.

SECTION XIV - TRANSPORT INFORMATION

Ground Transport (DOT): The finished product is non-hazardous under DOT.

SECTION XV - ADDITIONAL REGULATORY INFORMATION

All intentionally added components of this product are listed on the US TSCA Inventory.

Bounce dryer sheets are not subject to warning labeling under California Proposition 65.

All ingredients are CEPA approved for import to Canada by Procter & Gamble.

This product has been classified in accordance with the hazard criteria of the Canadian *Controlled Products Regulations* and the MSDS contains all information required by the *Controlled Products Regulations*.

SECTION XVI - OTHER INFORMATION

P&G Hazard Rating: 1

Health: 0

4=EXTREME

Flammability: 1

3=HIGH

Reactivity: 0

2=MODERATE

1=SLIGHT

0=NOT SIGNIFICANT

*N/A. - Not Applicable

*N/K. - Not Known

Data supplied is for use only in connection with occupational safety and health.

The information contained herein has been compiled from sources considered by Procter & Gamble to be dependable and is accurate to the best of the Company's knowledge. The information relates to the specific material designated herein, and does not relate to the use in combination with any other material or any other process. Procter & Gamble assumed no responsibility for injury to the recipient or third persons, for any damage to any property resulting from misuse of the controlled product.

Section 1. Product and Company Identification

Product Name	BRASSO® MULTI-PURPOSE METAL POLISH	MSDS#	Not available.
Product Description	Multi-purpose metal polish for cleaning and polishing brass, pewter, chrome, copper and stainless steel.	Validation Date	3/24/2005
Manufacturer	Reckitt Benckiser North America, Inc. Morris Corporate Center IV 399 Interpace Parkway (P.O. Box 225) Parsippany, N.J. 07054-0225	Print Date	3/24/2005
Product Identifier	Not available.	In case of Emergency:	Telephone: 800-228-4722
Item Number	0024708	Transportation Emergencies:	Chemtrec: 1-800-424-9300 (U.S. & Canada)
			Outside the U.S & Canada (North America), call: 703-527-3887
Formula Number	1341-014 (0024708)		
UPC Number	26600-06200 (8 oz.); 26600-76523 (8 oz.); 26600-05315 (1 gal.).		

Section 2. Composition and Information on Ingredients

Name	CAS #	% by Weight	Exposure Limits : TLV/PEL
1) PETROLEUM DISTILLATE (STODDARD SOLVENT)	8052-41-3	25-30	TWA: 525 (mg/m ³) from ACGIH (TLV) [United States] TWA: 100 (ppm) from ACGIH (TLV) [United States] TWA: 2900 (mg/m ³) from OSHA (PEL) [United States] TWA: 500 (ppm) from OSHA (PEL) [United States]
2) DESULFURIZED PETROLEUM DISTILLATE	64742-81-0	30-35	Not available.
3) SILICA, CRYSTALLINE	14808-60-7	9-12	TWA: 0.1 (mg/m ³) from ACGIH (TLV) [United States] Respirable. TWA: 0.3 (mg/m ³) from OSHA (PEL) [United States] Respirable.
4) KAOLIN	1332-58-7	10-15	TWA: 5 (mg/m ³) from OSHA (PEL) [United States] Respirable. TWA: 15 (mg/m ³) from OSHA (PEL) [United States] Total Dust. TWA: 2 (mg/m ³) from ACGIH (TLV) [United States] Respirable.
5) OLEIC ACID	112-80-1	7-10	Not available.
6) AMMONIUM HYDROXIDE	1336-21-6	2-3	Not available.

Section 3. Hazards Identification

Emergency Overview	<p>DANGER: HARMFUL OR FATAL IF SWALLOWED. EYE AND SKIN IRRITANT. VAPORS HARMFUL IF INHALED. COMBUSTIBLE. Do not ingest. DO NOT inhale. DO NOT breathe dust from dried product. Use product in a well ventilated area. Keep away from heat, sparks and flame. Keep container closed when not in use. Contains petroleum distillates and silica.</p> <p>KEEP OUT OF REACH OF CHILDREN.</p>
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Continued on Next Page

Section 4. First Aid Measures

Eye Contact	Immediately rinse eyes with water, remove any contact lenses, and continue rinsing eyes for fifteen minutes. Call a doctor or poison control center if symptoms persist.
Skin Contact	In case of skin contact, wash skin thoroughly with soap and water. If irritation persists, consult a physician.
Inhalation	Remove to fresh air. If irritation persists or there is any trouble breathing, get immediate medical attention.
Ingestion	If swallowed, DO NOT induce vomiting! Rinse mouth with water. IMMEDIATELY contact a physician or poison control center. NEVER give an unconscious person anything to ingest.

Section 5. Fire and Explosion Data

Flammability	Combustible. See Section 14 for any Shipping Classifications.
Flash Point	CLOSED CUP: 41.5°C (106.7°F). (Setaflash.)
Explosive Limits in Air	Not available.
Products of Combustion	Not available.
Fire and Explosion Hazards	Keep away from heat, sparks or open flame.
Fire Fighting Media and Instructions	Use water fog, foam, dry chemical or carbon dioxide. Product will float and can be reignited on surface of water.
Special Fire Fighting Instructions	The use of a direct stream of water can spread burning liquid. Wear self-contained breathing apparatus and full protective clothing appropriate for fighting a chemical fire.

Section 6. Accidental Release Measures

Accidental Spill	Small spills: Soak up with an inert absorbent material and dispose of in an appropriate waste container. Wipe surface residue with dry paper towels and discard into trash. Large spills should be diked, contained and collected for later disposal according to local, state or federal regulations.
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Section 7. Handling and Storage

Handling and Storage	DANGER: HARMFUL OR FATAL IF SWALLOWED. EYE AND SKIN IRRITANT. VAPORS HARMFUL IF INHALED. COMBUSTIBLE. Do not ingest. DO NOT inhale. DO NOT breathe dust from dried product. Use product in a well ventilated area. Keep away from heat, sparks and flame. Keep container closed when not in use. Contains petroleum distillates and silica. Store in an area inaccessible to children and pets. Close container after each use. KEEP OUT OF REACH OF CHILDREN.
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Section 8. Exposure Controls/Personal Protection

Ventilation Requirements	None normally required. Use sufficient ventilation to keep hazardous ingredients below their Threshold Limit Values (see Section #2) during major spills, clean-up or fire operations.
Eye Protection	Avoid contact with eyes. Emergency responders should wear full eye and face protection.
Skin Protection	None required under normal use conditions. May cause mild skin irritation after prolonged or repeated use. Emergency responders should wear impermeable gloves.
Respiratory Protection	None required.
Other Protection	None required under normal use conditions. Emergency responders should wear impermeable clothing and footwear when responding to a situation where contact with the liquid is possible.
Work/Hygienic Practices	Wash thoroughly with soap and water after handling.

Continued on Next Page

Section 9. Physical and Chemical Properties

Description	Liquid. (Slightly viscous. Opaque liquid.)	Odor	Ammoniacal.
pH	Not applicable.	Color	Beige to Tan. (Light.)
Boiling/Condensation Point	82.22 - 93.33° C (180 - 200° F)		
Specific Gravity	0.97 (Water = 1)		
Vapor Pressure	Not available.		
Vapor Density	Not available.		
Viscosity	Not available.		
Solubility	Insoluble.		
Physical Chemical Comments	Not available.		

Section 10. Stability and Reactivity Data

Chemical Stability	The product is stable.
Conditions of Instability	Keep away from heat and open flame.
Incompatibility with Various Substances	Strong oxidizing agents.
Hazardous Decomposition Products	Carbon monoxide, carbon dioxide and unidentified organic compounds.
Hazardous Polymerization	Will not occur.

Section 11. Toxicological Information

Exposure effects	
Eye Contact	Eye irritant.
Skin Contact	Skin irritant.
Inhalation	Harmful if inhaled.
Ingestion	May be harmful or fatal if swallowed.
Carcinogenicity	Respirable crystalline silica is designated as an IARC Group 1 carcinogen, NTP suspect carcinogen and OSHA suspect carcinogen. However, the silica present in this product is not in a respirable form, when used according to label directions.

Section 12. Ecological Information

Ecotoxicity	Not available.
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Continued on Next Page

Section 13. Disposal Considerations

Waste Disposal Dispose of in accordance with local, state and federal regulations.


Section 14. Transport Information

DOT Classification	Not regulated (Non Bulk Road / Rail) see 49 CFR 173.150 (f) (2) (3).	
Proper Shipping Name	Not applicable.	
DOT Identification Number	Not applicable.	
Packing Group	Not applicable.	
Maritime Transportation	Not applicable.	
Hazardous Substances Reportable Quantity	Not applicable.	
Special Provisions for Transport	IMDG / IMO: See IMDG Code and EMS = F-E, S-E. ICAO / IATA: See DG List.	
TDG Classification	Not regulated (Non Bulk Road / Rail) see TDG Part 2.17.2 & Part 23.2.	
ADR Classification	Not applicable.	
IMDG Classification	UN 1993, Flammable Liquid, N.O.S. (Petroleum Distillate), Class 3, PG III, Limited Quantity.	
IATA Classification	UN 1993, Flammable Liquid, N.O.S. (Petroleum Distillate), Class 3, PG III	

Section 15. Regulatory Information

Federal and State Regulations	SARA Title III, Section 313 Toxic Chemical Notification & Release Reporting:			
	1) AMMONIUM HYDROXIDE	Not available.	2-3	Not avai
	California Proposition 65: This product contains the following ingredients which require a warning under the Safe Drinking Water & Toxic Enforcement Act:			
	1) SILICA, CRYSTALLINE	Not available.	10.5	Not avai
Other Classifications	WHMIS (Canada) Not a WHMIS controlled product.			

Section 16. Other Information

HMIS (U.S.A.)	Health Hazard	2	National Fire Protection Association (U.S.A.)		Fire Hazard
	Fire Hazard	2			Reactivity
	Reactivity	0			Specific hazard
	Personal Protection	B			

NFPA Aerosol Level Not applicable.

Validated by Product Safety on 3/24/2005.

Printed 3/24/2005.

Notice to Reader**Continued on Next Page**

**BRASSO® MULTI-PURPOSE METAL
POLISH**

Page Number: 5

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

MATERIAL SAFETY DATA SHEET

7/6/04

CARROLL COMPANY
EMERGENCY TELEPHONES2900 West Kingsley Road
Infotrac 24 HoursGarland, TX 75041
1-800-535-50531-972-278-1304
1-800-527-5722**SECTION 1 - PRODUCT**NAME: BRITE BOY
Product No: 492
Product Type: Metal Polish

Health

0

Health Haz
0= minimal
1= slightly haz
2= hazardous
3= serious haz
4= severe haz

* DGIS

Flammability

0

Fire Haz
0= will not burn
1= FP>141F
2= FP=>73F=<141F
3= FP<73F
4= BP<95F
FP by PMCC

Reactivity

0

Reactivity
0= none
1= mild
2= strong

PPE

0

Personal Protection
0= not necessary
1= goggles
2= goggles, gloves
3= goggles, gloves,
protective clothes
4= goggles, gloves
& respirator**SECTION 2 - HAZARDOUS INGREDIENTS**Ethanol CAS#64-17-5 WT%=5.3
Ammonia CAS#7664-41-7 WT%=1.6**SECTION 3 - HEALTH HAZARD & FIRST AID ***

1. Acute Health Effect None
2. Chronic Health Effects None
3. Carcinogen NO
4. Primary Entry Routes:
 - a) Skin & Eyes: Prolonged contact with the skin may cause some irritation. Eye contact may cause irritation.
 - b) Ingestion: May be harmful.
 - c) Inhalation: Not considered an entry route.
5. First Aid:
 - a) Skin: Remove contaminated clothing-wash skin with soap & water. If irritation persists get medical attention.
 - b) Eyes: Wash eyes with large volumes of water for at least 15 minutes while lifting the upper and lower eyelids and rotating the eyeball. Get medical attention if irritation persists.
 - c) Ingestion: Give large volumes of water. DO NOT INDUCE VOMITING. Get immediate medical attention.
 - d) Inhalation: N/A

SECTION 4 - PHYSICAL & CHEMICAL CHARACTERISTICS

1. Physical State Liquid
2. Color Light Tan Opaque
3. Odor Ammonia
4. Solubility in water Dispersible
5. Specific Gravity (H2O=1.0) 1.2
6. pH 9.50
7. Freezing Point N/A
8. Flash Point None (will not burn)
9. Vapor Pressure N/A

SECTION 5 - FIRE AND EXPLOSION HAZARD

1. Flash Point None (will not burn)
2. Extinguishing Media N/A
3. Special Fire Fighting Procedures None
4. Unusual Fire & Explosion Hazard Fire fighters should observe all precautions that apply to any fire where chemicals are stored.

SECTION 6 - REACTIVITY DATA

1. Stability Stable
2. Conditions to Avoid None Known

SECTION 7 - SPILL OR LEAK PROCEDURES

1. If product leaks or spills - Mop up using large volume of water and dispose to the sanitary sewer.
2. Abide by Federal, State, and Local regulations.

SECTION 8 - PERSONAL PROTECTION

None Required

SECTION 9 - SPECIAL PRECAUTIONS

1. Store containers tightly closed and in an upright position.
2. Do not destroy or deface the label.

SECTION 10 - SECTION 313 SUPPLIER NOTIFICATION (SARA)

This product contains the following toxic chemicals subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 and of 40 CFR 372:

Ammonia CAS# 7664-41-7 WT%=1.6

SECTION 11 - TOXICOLOGICAL INFORMATION

None

SECTION 12 - ECOLOGICAL INFORMATION

None

SECTION 13 - DISPOSAL CONSIDERATIONS

1. See Section 7 above.

SECTION 14 - DOT TRANSPORT INFORMATION

This product is NOT Regulated.

SECTION 15 - OTHER REGULATORY INFORMATION

All ingredients appear on the TSCA Inventory List.
VOC content = 50 grams/liter.

SECTION 16 - OTHER INFORMATION

Revision on 7/6/04 in Section 3.

1. N/A = Not Applicable
2. *Dangerous Goods Identification System (DGIS)
3. PMCC = Pensky Martin Closed Cup
4. Manufacturer believes that the information given here is accurate. The suggested procedures are based on experience and common sense and are not necessarily all-inclusive of every conceivable circumstance.



MATERIAL SAFETY DATA SHEET

Cable Lube

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: Cable Lube
Product Code: 1044381
Intended Use: Multipurpose wire rope and cable lubricant. Also lubricates open or semi-enclosed gears, pinions, guides, and sliding surfaces.
Chemical Family: Petroleum Hydrocarbon
Responsible Party: ConocoPhillips
600 N. Dairy Ashford
Houston, Texas
77079-1175
Customer Service: 800-822-6457
Technical Information: 800-766-0050

The intended use of this product is indicated above. If any additional use is known, please contact us at the Technical Information number listed.

EMERGENCY OVERVIEW

24 Hour Emergency Telephone Numbers:

Spill, Leak, Fire or Accident Call CHEMTREC:
North America: (800) 424-9300
Others: (703) 527-3887 (collect)

California Poison Control System: (800) 356-3219

NOT CLASSIFIED AS HAZARDOUS ACCORDING TO CRITERIA OF NOHSC

Health Hazards/Precautionary Measures: Causes eye and skin irritation. Use with adequate ventilation. Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Wear appropriate eye protection. Wear appropriate personal protective equipment.

Physical Hazards/Precautionary Measures: Keep away from all sources of ignition. Combustible liquid and vapor.

Appearance: Black
Physical Form: Semi-solid
Odor: Aromatic

NFPA 704 Hazard Class:

Health: 1 (Slight)
Flammability: 2 (Moderate)
Instability: 0 (Least)

HMIS Hazard Class:

Health: 1 (Slight)
Flammability: 2 (Moderate)
Physical Hazards: 0 (Least)

2. COMPOSITION / INFORMATION ON INGREDIENTS

HAZARDOUS COMPONENTS					
Component / CAS No:	Percent (%)	ACGIH:	OSHA:	NIOSH:	Other:
Calcium Dinonylnaphthalene Sulfonate 57855-77-3	0.5-2	NE	NE	NE	NE

NON-HAZARDOUS COMPONENTS					
Component / CAS No:	Percent (%)	ACGIH:	OSHA:	NIOSH:	Other:
Lubricant Base Oil (Petroleum) VARIOUS	98-100	5mg/m ³ TWA 10 mg/m ³ STEL	5 mg/m ³ TWA	2500 mg/m ³ IDLH	as Oil Mist, if Generated 5 mg/m ³ NOHSC TWA

The base oil for this product can be a mixture of any of the following highly refined petroleum streams: CAS 64741-88-4; CAS 64741-89-5; CAS 64741-96-4; CAS 64741-97-5; CAS 64742-01-4; CAS 64742-52-5; CAS 64742-53-6; CAS 64742-54-7; CAS 64742-55-8; CAS 64742-56-9; CAS 64742-57-0; CAS 64742-62-7; CAS 64742-63-8; CAS 64742-65-0; CAS 72623-83-7; CAS 72623-85-9; CAS 72623-86-0; CAS 72623-87-1

Note: State, local or other agencies or advisory groups may have established more stringent limits. Consult an industrial hygienist or similar professional, or your local agencies, for further information.

1%=10,000 PPM.
NE=Not Established

3. HAZARDS IDENTIFICATION

Potential Health Effects:

Eye: Eye irritant. Contact may cause stinging, watering, redness, and swelling.

Skin: Skin irritant. Contact may cause redness, itching, burning, and skin damage. Prolonged or repeated contact can worsen irritation by causing drying and cracking of the skin, leading to dermatitis (inflammation). No harmful effects from skin absorption are expected.

Inhalation (Breathing): No data available. However, inhalation is not an expected route of exposure.

Ingestion (Swallowing): No harmful effects expected from ingestion.

Signs and Symptoms: Effects of overexposure may include irritation of the respiratory tract, irritation of the digestive tract, nausea, diarrhea.

Cancer: Inadequate evidence available to evaluate the cancer hazard of this material. See Section 11 for carcinogenicity information of individual components, if any.

Target Organs: No data available for this material.

Developmental: No data available for this material.

Pre-Existing Medical Conditions: Conditions aggravated by exposure may include skin disorders.

4. FIRST AID MEASURES

Eye: Move victim away from exposure and into fresh air. If irritation or redness develops, flush eyes with clean water and seek medical attention. For direct contact, hold eyelids apart and flush the affected eye(s) with clean water for at least 15 minutes. Seek medical attention.

Skin: Remove contaminated shoes and clothing, and flush affected area(s) with large amounts of water. If skin surface is damaged, apply a clean dressing and seek medical attention. If skin surface is not damaged, cleanse affected area(s) thoroughly by washing with mild soap and water. If irritation or redness develops, seek medical attention.

Inhalation (Breathing): If respiratory symptoms develop, move victim away from source of exposure and into fresh air. If symptoms persist, seek medical attention. If victim is not breathing, clear airway and immediately begin artificial respiration. If breathing difficulties develop, oxygen should be administered by qualified personnel. Seek immediate medical attention.

Ingestion (Swallowing): First aid is not normally required; however, if swallowed and symptoms develop, seek medical attention.

Notes to Physician: High-pressure hydrocarbon injection injuries may produce substantial necrosis of underlying tissue despite an innocuous appearing external wound. Often these injuries require extensive emergency surgical debridement and all injuries should be evaluated by a specialist in order to assess the extent of injury.

Acute aspirations of large amounts of oil-laden material may produce a serious aspiration pneumonia. Patients who aspirate these oils should be followed for the development of long-term sequelae. Inhalation exposure to oil mists below current workplace exposure limits is unlikely to cause pulmonary abnormalities.

5. FIRE-FIGHTING MEASURES

Flammable Properties:

Flash Point:	160°F / 71°C (COC, ASTM D92)
OSHA Flammability Class:	Combustible liquid
NFPA Flammability Class:	No data
LEL%:	No data
UEL%:	No data
Autoignition Temperature:	No data

Unusual Fire & Explosion Hazards: This material is combustible and can be ignited by heat, sparks, flames, or other sources of ignition (e.g., static electricity, pilot lights, or mechanical/electrical equipment). May create vapor/air explosion hazard indoors, in confined spaces, outdoors, or in sewers. Vapors are heavier than air and can accumulate in low areas. If container is not properly cooled, it can rupture in the heat of a fire.

Extinguishing Media: Dry chemical, carbon dioxide, foam, or water spray is recommended. Water or foam may cause frothing of materials heated above 212°F. Carbon dioxide can displace oxygen. Use caution when applying carbon dioxide in confined spaces.

Fire Fighting Instructions: For fires beyond the incipient stage, emergency responders in the immediate hazard area should wear bunker gear. When the potential chemical hazard is unknown, in enclosed or confined spaces, or when explicitly required by DOT, a self contained breathing apparatus should be worn. In addition, wear other appropriate protective equipment as conditions warrant (see Section 8).

Isolate immediate hazard area, keep unauthorized personnel out. Stop spill/release if it can be done with minimal risk. Move undamaged containers from immediate hazard area if it can be done with minimal risk.

Water spray may be useful in minimizing or dispersing vapors and to protect personnel. Cool equipment exposed to fire with water, if it can be done with minimal risk. Avoid spreading burning liquid with water used for cooling purposes.

6. ACCIDENTAL RELEASE MEASURES

Combustible. Keep all sources of ignition away from spill/release. The use of explosion-proof electrical equipment is recommended.

Stay upwind and away from spill/release. Notify persons down wind of the spill/release, isolate immediate hazard area and keep unauthorized personnel out. Stop spill/release if it can be done with minimal risk. Wear appropriate protective equipment including respiratory protection as conditions warrant (see Section 8).

Prevent spilled material from entering sewers, storm drains, other unauthorized drainage systems, and natural waterways. Dike far ahead of spill for later recovery or disposal. Spilled material may be absorbed into an appropriate absorbent material.

Notify fire authorities and appropriate federal, state, and local agencies. Immediate cleanup of any spill is recommended. If spill of any amount is made into or upon navigable waters, the contiguous zone, or adjoining shorelines, notify the National Response Center (phone number 800-424-8802).

7. HANDLING AND STORAGE

Handling: Open container slowly to relieve any pressure. Bond and ground all equipment when transferring from one vessel to another. Can accumulate static charge by flow or agitation. Can be ignited by static discharge. The use of explosion-proof electrical equipment is recommended and may be required (see appropriate fire codes). Refer to NFPA-704 and/or API RP 2003 for specific bonding/grounding requirements.

Do not enter confined spaces such as tanks or pits without following proper entry procedures such as ASTM D-4276 and 29CFR 1910.146. The use of appropriate respiratory protection is advised when concentrations exceed any established exposure limits (see Sections 2 and 8).

Do not wear contaminated clothing or shoes. Keep contaminated clothing away from sources of ignition such as sparks or open flames. Use good personal hygiene practices.

"Empty" containers retain residue and may be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks, or other sources of ignition. They may explode and cause injury or death. "Empty" drums should be completely drained, properly bunged, and promptly shipped to the supplier or a drum reconditioner. All containers should be disposed of in an environmentally safe manner and in accordance with governmental regulations.

High pressure injection of hydrocarbon fuels, hydraulic oils or greases under the skin may have serious consequences even though no symptoms or injury may be apparent. This can happen accidentally when using high pressure equipment such as high pressure grease guns, fuel injection apparatus or from pinhole leaks in tubing of high pressure hydraulic oil equipment.

Before working on or in tanks which contain or have contained this material, refer to OSHA regulations, ANSI Z49.1, and other references pertaining to cleaning, repairing, welding, or other contemplated operations.

Storage: Keep container(s) tightly closed. Use and store this material in cool, dry, well-ventilated areas away from heat and all sources of ignition. Post area "No Smoking or Open Flame." Store only in approved containers. Keep away from any incompatible material (see Section 10). Protect container(s) against physical damage. Outdoor or detached storage is preferred. Indoor storage should meet OSHA standards and appropriate fire codes.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering controls: If current ventilation practices are not adequate to maintain airborne concentrations below the established exposure limits (see Section 2), additional engineering controls may be required. Where explosive mixtures may be present, electrical systems safe for such locations must be used (see appropriate electrical codes).

Personal Protective Equipment (PPE):

Respiratory: A NIOSH certified air purifying respirator with a Type 95 (R or P) particulate filter may be used under conditions where airborne concentrations are expected to exceed exposure limits (see Section 2).

Protection provided by air purifying respirators is limited (see manufacturer's respirator selection guide). Use a NIOSH approved self-contained breathing apparatus (SCBA) or equivalent operated in a pressure demand or other positive pressure mode if there is potential for an uncontrolled release, exposure levels are not known, or any other circumstances where air purifying respirators may not provide adequate protection.

A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use.

Skin: The use of gloves impervious to the specific material handled is advised to prevent skin contact, possible irritation, and skin damage (see glove manufacturer literature for information on permeability). Depending on conditions of use, apron and/or arm covers may be necessary.

Eye/Face: Approved eye protection to safeguard against potential eye contact, irritation, or injury is recommended. Depending on conditions of use, a face shield may be necessary.

Other Protective Equipment: A source of clean water should be available in the work area for flushing eyes and skin. Impervious clothing should be worn as needed.

Suggestions for the use of specific protective materials are based on readily available published data. Users should check with specific manufacturers to confirm the performance of their products.

9. PHYSICAL AND CHEMICAL PROPERTIES

Note: Unless otherwise stated, values are determined at 20°C (68°F) and 760 mm Hg (1 atm).

Appearance:	Black
Physical Form:	Semi-solid
Odor:	Aromatic
Odor Threshold:	No data
pH:	Not applicable
Vapor Pressure (mm Hg):	>1
Vapor Density (air=1):	>1
Boiling Point:	> 351°F / 177°C
Solubility in Water:	Insoluble
Partition Coefficient (n-octanol/water):	No data
Specific Gravity:	0.89
Bulk Density:	7.7
Bulk Density Units	lbs/gal
Percent Volatile:	Negligible
Evaporation Rate (nBuAc=1):	< 0.01
Flash Point:	160°F / 71°C
Test Method:	(COC, ASTM D92)
LEL%:	No data
UEL%:	No data
Autoignition Temperature:	No data

10. STABILITY AND REACTIVITY

Stability: Stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.

Conditions to Avoid: Extended exposure to high temperatures can cause decomposition.

Materials to Avoid (Incompatible Materials): Avoid contact with acids, oxidizing agents.

Hazardous Decomposition Products: Combustion can yield carbon oxides.

Hazardous Polymerization: Will not occur.

11. TOXICOLOGICAL INFORMATION

Chronic Data:

Lubricant Base Oil (Petroleum) - CAS: VARIOUS

Carcinogenicity: The petroleum base oils contained in this product have been highly refined by a variety of processes including solvent extraction, hydrotreating, and dewaxing to remove aromatics and improve performance characteristics. All of the oils meet the IP-346 criteria of less than 3 percent PAH's and therefore none are listed as a carcinogen by NTP, IARC, or OSHA.

Acute Data:

Lubricant Base Oil (Petroleum) - CAS: VARIOUS

Dermal LD50 = >2 g/kg

LC50 = No information available

Oral LD50 = >5 g/kg

Calcium Dinonylnaphthalene Sulfonate - CAS: 57855-77-3

Dermal LD50 = No information available

LC50 = No information available

Oral LD50 = No information available

12. ECOLOGICAL INFORMATION

Not evaluated at this time.

13. DISPOSAL CONSIDERATIONS

This material under most intended uses would become used oil due to contamination by physical or chemical impurities. RECYCLE ALL USED OIL. While being recycled, used oil is regulated by 40 CFR 279. Use resulting in chemical or physical change or contamination may also subject it to regulation as hazardous waste. Under federal regulations, used oil is a solid waste managed under 40 CFR 279. However, in California, used oil is managed as hazardous waste until tested to show it is not hazardous. Consult state and local regulations regarding the proper handling of used oil. In the case of used oil, the intent to discard it may cause the used oil to be regulated as hazardous waste.

Contents should be completely used and containers emptied prior to discard. Rinsate may be considered a RCRA hazardous waste and must be disposed of with care and in compliance with federal, state and local regulations. Large empty containers, such as drums, should be returned to the distributor or a drum reconditioner. To assure proper disposal of small empty containers, consult with state and local regulations and disposal authorities.

14. TRANSPORTATION INFORMATION

DOT Proper Shipping Name: Not classified as hazardous

Note: Material is unregulated unless in container of 3500 gallons or more, then provisions of 49 CFR Part 130 apply for land shipment.

IMDG Shipping Description: Not regulated

ICAO/IATA Shipping Description: Not regulated

15. REGULATORY INFORMATION

U.S. Regulations:

EPA SARA 311/312 (Title III Hazard Categories)

Acute Health:	Yes
Chronic Health:	No
Fire Hazard:	No
Pressure Hazard:	No
Reactive Hazard:	No

SARA - Section 313 and 40 CFR 372:

This material contains the following chemicals subject to the reporting requirements of SARA 313 and 40 CFR 372:

--None Known--

EPA (CERCLA) Reportable Quantity (in pounds):

--None Known--

CERCLA/SARA - Section 302 Extremely Hazardous Substances and TPQs (in pounds):

This material contains the following chemicals subject to the reporting requirements of SARA 302 and 40 CFR 372:

-- None Known --

California Proposition 65:

Warning: This material contains the following chemicals which are known to the State of California to cause cancer, birth defects or other reproductive harm, and are subject to the requirements of California Proposition 65 (CA Health & Safety Code Section 25249.5):

-- None Known --

Carcinogen Identification:

This material has not been identified as a carcinogen by NTP, IARC, or OSHA. See Section 11 for carcinogenicity information of individual components, if any.

TSCA:

All components are listed on the TSCA inventory.

International Regulations:

Canadian Regulations:

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

Domestic Substances List: Listed

WHMIS Classification: B3-Combustible Liquid

WHMIS Classification: D1B-Materials causing immediate and serious toxic effects - Toxic Material

Australian Regulations:

References:

Regulations Specifically Applicable to the Chemical Product:

Commonwealth of Australia: Respirators must follow AS1715/1716 standard for approved respirators.

New Zealand: Respirators must follow NZS 1715/1716 standard for approved respirators.

International (all countries): In the absence of local approved authorities, follow U.S. NIOSH/MSHA, U.K. BSI, Australian AS1715/1716, or new Zealand NZS 1715/1716 standards.

Australia Poison Schedule: Not applicable.

NZ Dangerous Goods Class: Not applicable.

Contact Point:

ConocoPhillips Lubricants Australia Pty. Ltd.

Emergency Telephone: 1-800-226626

Office Manager

Office Hours 8 a.m.-5 p.m. Monday-Friday (excluding holidays)

Tel: +61 (0) 7 5452.9900

Fax: +61 (0) 7 5452.9999

Website: www.aplubes.conocophillips.com

International Inventories:

All components of this material are listed on the following inventories:

Australian (AICS)

Canadian (DSL)

Chinese

European (EC/EINECS)

Japanese (ENCS)

Korean (ECL)

Philippine (PICCS)

United States (TSCA)

16. OTHER INFORMATION

Issue Date: 04-Feb-2005
Previous Issue Date: 08/09/2004
Product Code: 1044381
Reason for revision: Changes to Physical Properties. SEE SECTION 9.
Regulatory information changed. SEE SECTION 15.
Previous Product Code: 5590000000
MSDS Code: 720830

Disclaimer of Expressed and implied Warranties:

The information presented in this Material Safety Data Sheet is based on data believed to be accurate as of the date this Material Safety Data Sheet was prepared. HOWEVER, NO WARRANTY OF MERCHANTABILITY, FITNESS FOR ANY PARTICULAR PURPOSE, OR ANY OTHER WARRANTY IS EXPRESSED OR IS TO BE IMPLIED REGARDING THE ACCURACY OR COMPLETENESS OF THE INFORMATION PROVIDED ABOVE, THE RESULTS TO BE OBTAINED FROM THE USE OF THIS INFORMATION OR THE PRODUCT, THE SAFETY OF THIS PRODUCT, OR THE HAZARDS RELATED TO ITS USE. No responsibility is assumed for any damage or injury resulting from abnormal use or from any failure to adhere to recommended practices. The information provided above, and the product, are furnished on the condition that the person receiving them shall make their own determination as to the suitability of the product for their particular purpose and on the condition that they assume the risk of their use. In addition, no authorization is given nor implied to practice any patented invention without a license.



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Procter & Gamble
Fabric and Home Care Division
Ivorydale Technical Center
5299 Spring Grove Avenue
Cincinnati, OH 45217-1087

MATERIAL SAFETY DATA SHEET

MSDS #: D00001M
Supersedes: N/A

Issue Date: 3/7/00
Issue Date: N/A

SECTION I - CHEMICAL PRODUCT

Identity: **Powder Automatic Dishwashing Detergent**

Brands: **CASCADE Powder (All Variations)**

Hazard Rating:

Health: 1 4=EXTREME
Flammability: 0 3=HIGH
Reactivity: 0 2= MODERATE
1=SLIGHT

Emergency Telephone Number: 24hr P&G Operator: 1-800-765-5516 or call Local Poison Control Center

SECTION II - COMPOSITION AND INGREDIENTS

Ingredients: Complexed sodium phosphates and sodium carbonate, oxygen bleaching system and enzymes, nonionic wetting agents, sodium silicate, sodium sulfate, perfume and dye.

Under normal consumer use, this product would not constitute a hazardous product under OSHA Hazard Communication. With increased industrial exposure this mixture, when tested as a whole, is considered an inhalation hazard within the meaning of the OSHA Hazard Communication Standard.

Hazardous Ingredients as defined by OSHA, 29 CFR 1910.1200.

<u>Chemical Name</u>	<u>Common Name</u>	<u>CAS No.</u>	<u>Recommended Limits</u>	<u>Composition Range</u>	<u>LD50/LC50</u>
Subtilisin	Proteolytic enzyme	9014-01-1	ACGIH TLV: 0.00006 mg/m ³	<1%	

SECTION III - HAZARDS IDENTIFICATION

Health Hazards (Acute and Chronic):

Inhalation: Inhalation of dust may cause mild, transient irritation.
Ingestions: Ingestion may cause vomiting and transient, moderate gastrointestinal irritation.
Eye Contact: May cause moderate, transient irritation.
Skin: May cause moderate, transient irritation, including dryness.

Signs and Symptoms of Exposure:

Ingestion: Ingestion of larger amounts leads to emesis.
Eye Contact: Stinging and burning of eye can occur unless flushed immediately with water.
Inhalation: Dust irritation is possible
Skin Contact: Mild irritation is possible with prolonged contact

SECTION IV - FIRST AID INFORMATION**Emergency and First Aid Procedures:**

Inhalation: Leave dusty area.
 Ingestion: Give a large glassful of water or milk.
 Eye Contact: Flush thoroughly with water for 15 minutes.
 Skin: Rinse skin thoroughly with water.

Other: Label caution statements. Front Label: "CAUTION: Harmful if swallowed. Eye and skin irritant.
 Back Label: "CAUTION: In case of eye or skin contact, flush with water. If swallowed, give a glassful of water or milk. Call a physician or poison control center. KEEP OUT OF REACH OF CHILDREN."

SECTION V - FIRE FIGHTING INFORMATION

Flash Point (Method Used): N/A **Explosive Limits:** *LEL:* N/A *UEL:* N/A
Extinguishing Media: N/A
Special Fire Fighting Procedures: None.
Unusual Fire Hazards: None
Stability *Unstable:* *Conditions to Avoid:* None known
Stable: X
Incompatibility (Materials to Avoid): None known
Hazardous Decomposition/By Products: None known
Hazardous Polymerization: *May Occur:* *Conditions to Avoid:* None known
Will Not Occur: X

SECTION VI - ACCIDENTAL RELEASE MEASURES

Personal Precautions: None
Environmental Precautions: DISPOSAL IS TO BE PERFORMED IN COMPLIANCE WITH ALL REGULATIONS. Household solutions may be disposed of in sewer. Dry product waste may be landfilled.
Steps To Be Taken in Case Material is Released or Spilled: Minimize dust levels while collecting product (see "Inhalation" health effects). Dispose of according to local regulations.

SECTION VII - HANDLING AND STORAGE

Precautions To Be Taken in Handling and Storing: No unusual precautions necessary. Keep product dry to maintain free-flowing granules.
Other Precautions: None.

SECTION VIII - EXPOSURE CONTROLS, PERSONAL PROTECTION

Respiratory Protection (Specify Type): None required with normal use.
Ventilation *Local Exhaust:* None required with normal consumer use. *Special:* None
Mechanical (General): General dilution ventilation is acceptable. *Other:* None
Eye Protection: None required with normal consumer use.
Protective Gloves: None required with normal use.
Industrial Setting: Protective gloves (rubber, neoprene) should be used for prolonged direct contact.
Other Protective Equipment: None required with normal use.

SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES**Boiling Point °F:** Not known**Specific Gravity (H₂O=1):** ~0.94-1.03**Vapor Pressure (mm Hg):** N/A**Percent Volatile by Volume (%):** ~60-65%**Vapor Density (Air=1):** N/A**Evaporation Rate (nBuOAc=1):** Unknown**Odor Threshold:** N/A**Freezing Point:** N/A**Coefficient of Water/Oil Distribution:** N/A**pH (1% solution):** ~11**Scooped Density:** N/A**Solubility in Water:** Nearly 100%**Appearance and Odor:****Reserve Alkalinity:** 10.8

White granular agglomerate with blue speckles.
Product is perfumed.

SECTION X - STABILITY AND REACTIVITY**Possible Hazardous Reactions/Conditions:** None known**Conditions to Avoid:** None**Materials to Avoid:** None**Hazardous Decomposition Products:** None known**Other Recommendations:** None**SECTION XI - TOXICOLOGICAL INFORMATION**

See sections III and IV.

Cascade Saturn Powder is expected to exhibit a generally low order of acute toxicity. It may be irritating to mucous membranes and the gastrointestinal tract, but it is not known to be corrosive. It is expected to be emetic. Estimated Acute Oral LD₅₀ (rat): > 2 g/kg.

SECTION XII - ECOLOGICAL INFORMATION

No issues. This product is safe for septic tanks and would not pose an environmental threat unless high product concentrations were dumped into water.

SECTION XIII - DISPOSAL CONSIDERATIONS

Waste Disposal Method: Disposal is to be performed in compliance with Federal, state and local regulations. Household solutions may be disposed of in sewer. Dry product waste can be landfilled if local restrictions allow.

SECTION XIV - TRANSPORT INFORMATION

No transportation issues

SECTION XV - ADDITIONAL REGULATORY INFORMATION

All components are listed on the US TSCA Inventory.

This product has been classified with Hazard Criteria of the Canadian Control Products Regulation (CPR) and this MSDS contains all information required by the Canadian Products Regulation.

SECTION XVI - OTHER INFORMATION

*N/A. - Not Applicable

*N/K. - Not Known

The submission of this MSDS may be required by law, but this is not an assertion that the substance is hazardous when used in accordance with proper safety practices and normal handling procedures. Data supplied is for use only in connection with occupational safety and health.

The information contained herein has been compiled from sources considered by Procter & Gamble to be dependable and is accurate to the best of the Company's knowledge. The information relates to the specific material designated herein, and does not relate to the use in combination with any other material or any other process. Procter & Gamble assumed no responsibility for injury to the recipient or third persons, for any damage to any property resulting from misuse of the controlled product.

Material Safety Data Sheet

SECTION 1 PRODUCT AND COMPANY IDENTIFICATION

Chevron Black Pearl® Grease EP

Product Use: Grease

Product Number(s): CPS254590, CPS254591, CPS254592

Synonyms: Chevron Black Pearl® Grease EP NLGI 0, Chevron Black Pearl® Grease EP NLGI 1, Chevron Black Pearl® Grease EP NLGI 2

Company Identification

ChevronTexaco Global Lubricants

6001 Bollinger Canyon Rd.

San Ramon, CA 94583

United States of America

www.chevron-lubricants.com

Transportation Emergency Response

CHEMTREC: (800) 424-9300 or (703) 527-3887

Health Emergency

ChevronTexaco Emergency Information Center: Located in the USA. International collect calls accepted. (800) 231-0623 or (510) 231-0623

Product Information

email: lubemsds@chevrontexaco.com

Product Information: (800) LUBE TEK

MSDS Requests: (800) 414-6737

SECTION 2 COMPOSITION/ INFORMATION ON INGREDIENTS

COMPONENTS	CAS NUMBER	AMOUNT
Highly refined mineral oil (C15 - C50)	Mixture	70 - 80 %weight
Polyurea thickener		10 - 20 %weight

SECTION 3 HAZARDS IDENTIFICATION

IMMEDIATE HEALTH EFFECTS

Eye: Not expected to cause prolonged or significant eye irritation.

Skin: Contact with the skin is not expected to cause prolonged or significant irritation. Contact with the skin is not expected to cause an allergic skin response. Not expected to be harmful to internal organs if absorbed through the skin. High-Pressure Equipment Information: Accidental high-velocity injection under the skin of materials of this type may result in serious injury. Seek medical attention at once should an accident like this occur. The initial wound at the injection site may not appear to be serious at first; but, if left untreated, could result in disfigurement or amputation of the affected part.

Ingestion: Not expected to be harmful if swallowed.

Inhalation: Not expected to be harmful if inhaled. Contains a petroleum-based mineral oil. May cause respiratory irritation or other pulmonary effects following prolonged or repeated inhalation of oil mist at airborne levels above the recommended mineral oil mist exposure limit. Symptoms of respiratory irritation may include coughing and difficulty breathing.

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SECTION 4 FIRST AID MEASURES

Eye: No specific first aid measures are required. As a precaution, remove contact lenses, if worn, and flush eyes with water.

Skin: No specific first aid measures are required. As a precaution, remove clothing and shoes if contaminated. To remove the material from skin, apply a waterless hand cleaner, mineral oil, or petroleum jelly. Then wash with soap and water. Discard contaminated clothing and shoes or thoroughly clean before reuse.

Ingestion: No specific first aid measures are required. Do not induce vomiting. As a precaution, get medical advice.

Inhalation: No specific first aid measures are required. If exposed to excessive levels of material in the air, move the exposed person to fresh air. Get medical attention if coughing or respiratory discomfort occurs.

Note to Physicians: In an accident involving high-pressure equipment, this product may be injected under the skin. Such an accident may result in a small, sometimes bloodless, puncture wound. However, because of its driving force, material injected into a fingertip can be deposited into the palm of the hand. Within 24 hours, there is usually a great deal of swelling, discoloration, and intense throbbing pain. Immediate treatment at a surgical emergency center is recommended.

SECTION 5 FIRE FIGHTING MEASURES**FIRE CLASSIFICATION:**

OSHA Classification (29 CFR 1910.1200): Not classified by OSHA as flammable or combustible.

NFPA RATINGS: Health: 0 Flammability: 1 Reactivity: 0

FLAMMABLE PROPERTIES:

Flashpoint: (Cleveland Open Cup) 246 °C (475 °F) (Min)

Autoignition: No Data Available

Flammability (Explosive) Limits (% by volume in air): Lower: Not Applicable Upper: Not Applicable

EXTINGUISHING MEDIA: Use water fog, foam, dry chemical or carbon dioxide (CO₂) to extinguish flames.

PROTECTION OF FIRE FIGHTERS:

Fire Fighting Instructions: This material will burn although it is not easily ignited. For fires involving this material, do not enter any enclosed or confined fire space without proper protective equipment, including self-contained breathing apparatus.

Combustion Products: Highly dependent on combustion conditions. A complex mixture of airborne solids, liquids, and gases including carbon monoxide, carbon dioxide, and unidentified organic compounds will be evolved when this material undergoes combustion. Combustion may form oxides of: Nitrogen.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Protective Measures: Eliminate all sources of ignition in vicinity of spilled material.

Spill Management: Stop the source of the release if you can do it without risk. Contain release to prevent further contamination of soil, surface water or groundwater. Clean up spill as soon as possible, observing precautions in Exposure Controls/Personal Protection. Use appropriate techniques such as applying non-combustible absorbent materials or pumping. Where feasible and appropriate, remove contaminated soil. Place contaminated materials in disposable containers and dispose of in a manner consistent with applicable regulations. Clean up spills immediately, observing precautions in Exposure Controls/Personal Protection section.

Reporting: Report spills to local authorities and/or the U.S. Coast Guard's National Response Center at (800) 424-8802 as appropriate or required.

SECTION 7 HANDLING AND STORAGE

Static Hazard: Electrostatic charge may accumulate and create a hazardous condition when handling this material. To minimize this hazard, bonding and grounding may be necessary but may not, by themselves, be sufficient. Review all operations which have the potential of generating and accumulating an electrostatic charge and/or a flammable atmosphere (including tank and container filling, splash filling, tank cleaning, sampling, gauging, switch loading, filtering, mixing, agitation, and vacuum truck operations) and use appropriate mitigating

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procedures. For more information, refer to OSHA Standard 29 CFR 1910.106, 'Flammable and Combustible Liquids', National Fire Protection Association (NFPA 77, 'Recommended Practice on Static Electricity', and/or the American Petroleum Institute (API) Recommended Practice 2003, 'Protection Against Ignitions Arising Out of Static, Lightning, and Stray Currents'.

Container Warnings: Container is not designed to contain pressure. Do not use pressure to empty container or it may rupture with explosive force. Empty containers retain product residue (solid, liquid, and/or vapor) and can be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks, static electricity, or other sources of ignition. They may explode and cause injury or death. Empty containers should be completely drained, properly closed, and promptly returned to a drum reconditioner or disposed of properly.

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

GENERAL CONSIDERATIONS:

Consider the potential hazards of this material (see Section 3), applicable exposure limits, job activities, and other substances in the work place when designing engineering controls and selecting personal protective equipment. If engineering controls or work practices are not adequate to prevent exposure to harmful levels of this material, the personal protective equipment listed below is recommended. The user should read and understand all instructions and limitations supplied with the equipment since protection is usually provided for a limited time or under certain circumstances.

ENGINEERING CONTROLS:

Use in a well-ventilated area.

PERSONAL PROTECTIVE EQUIPMENT

Eye/Face Protection: No special eye protection is normally required. Where splashing is possible, wear safety glasses with side shields as a good safety practice.

Skin Protection: No special protective clothing is normally required. Where splashing is possible, select protective clothing depending on operations conducted, physical requirements and other substances in the workplace. Suggested materials for protective gloves include: Neoprene, Nitrile Rubber, Silver Shield, Viton.

Respiratory Protection: No respiratory protection is normally required.

If user operations generate an oil mist, determine if airborne concentrations are below the occupational exposure limit for mineral oil mist. If not, wear an approved respirator that provides adequate protection from the measured concentrations of this material. For air-purifying respirators use a particulate cartridge.

Use a positive pressure air-supplying respirator in circumstances where air-purifying respirators may not provide adequate protection.

Occupational Exposure Limits:

Component	Agency	TWA	STEL	Ceiling	Notation
Highly refined mineral oil (C15 - C50)	ACGIH	5 mg/m3	10 mg/m3	--	--
Highly refined mineral oil (C15 - C50)	OSHA Z-1	5 mg/m3	--	--	--

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Attention: the data below are typical values and do not constitute a specification.

Color: Black

Physical State: Semi-solid

Odor: Petroleum odor

pH: Not Applicable

Vapor Pressure: <1 mmHg @ 40 °C (104 °F)

Vapor Density (Air = 1): >1

Boiling Point: >315°C (599°F)

Solubility: Soluble in hydrocarbons; insoluble in water

Melting Point: 205°C (401°F) (Min)

Viscosity: No data available

SECTION 10 STABILITY AND REACTIVITY

Chemical Stability: This material is considered stable under normal ambient and anticipated storage and

handling conditions of temperature and pressure.

Incompatibility With Other Materials: May react with strong acids or strong oxidizing agents, such as chlorates, nitrates, peroxides, etc.

Hazardous Decomposition Products: None known (None expected)

Hazardous Polymerization: Hazardous polymerization will not occur.

SECTION 11 TOXICOLOGICAL INFORMATION

IMMEDIATE HEALTH EFFECTS

Eye Irritation: The eye irritation hazard is based on evaluation of data for similar materials or product components.

Skin Irritation: The skin irritation hazard is based on evaluation of data for similar materials or product components.

Skin Sensitization: The skin sensitization hazard is based on evaluation of data for similar materials or product components.

Acute Dermal Toxicity: The acute dermal toxicity hazard is based on evaluation of data for similar materials or product components.

Acute Oral Toxicity: The acute oral toxicity hazard is based on evaluation of data for similar materials or product components.

Acute Inhalation Toxicity: The acute inhalation toxicity hazard is based on evaluation of data for similar materials or product components.

ADDITIONAL TOXICOLOGY INFORMATION:

This product contains petroleum base oils which may be refined by various processes including severe solvent extraction, severe hydrocracking, or severe hydrotreating. None of the oils requires a cancer warning under the OSHA Hazard Communication Standard (29 CFR 1910.1200). These oils have not been listed in the National Toxicology Program (NTP) Annual Report nor have they been classified by the International Agency for Research on Cancer (IARC) as: carcinogenic to humans (Group 1), probably carcinogenic to humans (Group 2A), or possibly carcinogenic to humans (Group 2B). These oils have not been classified by the American Conference of Governmental Industrial Hygienists (ACGIH) as: confirmed human carcinogen (A1), suspected human carcinogen (A2), or confirmed animal carcinogen with unknown relevance to humans (A3).

SECTION 12 ECOLOGICAL INFORMATION

ECOTOXICITY

The toxicity of this material to aquatic organisms has not been evaluated. Consequently, this material should be kept out of sewage and drainage systems and all bodies of water.

ENVIRONMENTAL FATE

This material is not expected to be readily biodegradable.

SECTION 13 DISPOSAL CONSIDERATIONS

Use material for its intended purpose or recycle if possible. Oil collection services are available for used oil recycling or disposal. Place contaminated materials in containers and dispose of in a manner consistent with applicable regulations. Contact your sales representative or local environmental or health authorities for approved disposal or recycling methods.

SECTION 14 TRANSPORT INFORMATION

The description shown may not apply to all shipping situations. Consult 49CFR, or appropriate Dangerous Goods Regulations, for additional description requirements (e.g., technical name) and mode-specific or quantity-specific shipping requirements.

DOT Shipping Description: PETROLEUM LUBRICATING GREASE, NOT REGULATED AS A HAZARDOUS MATERIAL

IMO/MDG Shipping Description: PETROLEUM LUBRICATING GREASE, NOT REGULATED AS A

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DANGEROUS GOOD

ICAO/IATA Shipping Description: PETROLEUM LUBRICATING GREASE, NOT REGULATED AS A DANGEROUS GOOD

SECTION 15 REGULATORY INFORMATION

EPCRA 311/312 CATEGORIES: 1. Immediate (Acute) Health Effects: NO
2. Delayed (Chronic) Health Effects: NO
3. Fire Hazard: NO
4. Sudden Release of Pressure Hazard: NO
5. Reactivity Hazard: NO

REGULATORY LISTS SEARCHED:

01-1=IARC Group 1	03=EPCRA 313
01-2A=IARC Group 2A	04=CA Proposition 65
01-2B=IARC Group 2B	05=MA RTK
02=NTP Carcinogen	06=NJ RTK
	07=PA RTK

No components of this material were found on the regulatory lists above.

CHEMICAL INVENTORIES:

All components comply with the following chemical inventory requirements: DSL (Canada), EINECS (European Union), TSCA (United States).

One or more components does not comply with the following chemical inventory requirements: AICS (Australia), IECSC (China), KECI (Korea), PICCS (Philippines).

NEW JERSEY RTK CLASSIFICATION:

Under the New Jersey Right-to-Know Act L. 1983 Chapter 315 N.J.S.A. 34:5A-1 et. seq., the product is to be identified as follows: PETROLEUM OIL (Grease)

WHMIS CLASSIFICATION:

This product is not considered a controlled product according to the criteria of the Canadian Controlled Products Regulations.

SECTION 16 OTHER INFORMATION

NFPA RATINGS: Health: 0 Flammability: 1 Reactivity: 0

HMIS RATINGS: Health: 1 Flammability: 1 Reactivity: 0

(0-Least, 1-Slight, 2-Moderate, 3-High, 4-Extreme, PPE:- Personal Protection Equipment Index recommendation, *- Chronic Effect Indicator). These values are obtained using the guidelines or published evaluations prepared by the National Fire Protection Association (NFPA) or the National Paint and Coating Association (for HMIS ratings).

LABEL RECOMMENDATION:

Label Category : GREASE 1

REVISION STATEMENT: This revision updates the following sections of this Material Safety Data Sheet: 2,8,9,16
Revision Date: 07/09/2004

ABBREVIATIONS THAT MAY HAVE BEEN USED IN THIS DOCUMENT:

TLV - Threshold Limit Value	TWA - Time Weighted Average
STEL - Short-term Exposure Limit	PEL - Permissible Exposure Limit

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Product Name: MOBILITH SHC 220

Revision Date: 05Aug2005

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Viscosity: 220 cSt (220 mm²/sec) at 40 °C
Oxidizing Properties: See Sections 3, 15, 16.

OTHER INFORMATION

Freezing Point: N/D

Melting Point: N/D

NOTE: Most physical properties above are for the oil component in the material.

SECTION 10 STABILITY AND REACTIVITY

STABILITY: Material is stable under normal conditions.

CONDITIONS TO AVOID: Excessive heat. High energy sources of ignition.

MATERIALS TO AVOID: Strong oxidizers

HAZARDOUS DECOMPOSITION PRODUCTS: Material does not decompose at ambient temperatures.

HAZARDOUS POLYMERIZATION: Will not occur.

SECTION 11 TOXICOLOGICAL INFORMATION

ACUTE TOXICITY

Route of Exposure	Conclusion / Remarks
Inhalation	
Toxicity (Rat): LC50 > 5000 mg/m ³	Minimally Toxic. Based on assessment of the components.
Irritation: No end point data.	Negligible hazard at ambient/normal handling temperatures. Based on assessment of the components.
Ingestion	
Toxicity (Rat): LD50 > 2000 mg/kg	Minimally Toxic. Based on test data for structurally similar materials.
Skin	
Toxicity (Rabbit): LD50 > 2000 mg/kg	Minimally Toxic. Based on test data for structurally similar materials.
Irritation (Rabbit): Data available.	Negligible irritation to skin at ambient temperatures. Based on assessment of the components.
Eye	
Irritation (Rabbit): Data available.	May cause mild, short-lasting discomfort to eyes. Based on assessment of the components.

CHRONIC/OTHER EFFECTS

Contains:

Synthetic base oils: Not expected to cause significant health effects under conditions of normal use, based on laboratory studies with the same or similar materials. Not mutagenic or genotoxic. Not sensitizing in test animals and humans.

Additional information is available by request.

Material Safety Data Sheet

SECTION 1 PRODUCT AND COMPANY IDENTIFICATION

Chevron Open Gear Grease

Product Use: Grease
Product Number(s): CPS230002
Company Identification
ChevronTexaco Global Lubricants
6001 Bollinger Canyon Rd.
San Ramon, CA 94583
United States of America
www.chevron-lubricants.com

Transportation Emergency Response
CHEMTREC: (800) 424-9300 or (703) 527-3887
Health Emergency
ChevronTexaco Emergency Information Center: Located in the USA. International collect calls accepted. (800) 231-0623 or (510) 231-0623
Product Information
email : lubemsds@chevrontexaco.com
Product Information: (800) LUBE TEK
MSDS Requests: (800) 414-6737

SECTION 2 COMPOSITION/ INFORMATION ON INGREDIENTS

COMPONENTS	CAS NUMBER	AMOUNT
Asphalt	8052-42-4	60 - 80 %weight
Highly refined mineral oil (C15 - C50)	Mixture	10 - 30 %weight
Graphite	7782-42-5	1 - 5 %weight
Molybdenum disulphide	1317-33-5	1 - 5 %weight

SECTION 3 HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

- CAUSES EYE IRRITATION

IMMEDIATE HEALTH EFFECTS
Eye: Contact with the eyes causes irritation. Symptoms may include pain, tearing, reddening, swelling and impaired vision.
Skin: Contact with the skin is not expected to cause prolonged or significant irritation. Contact with the skin is not expected to cause an allergic skin response. Not expected to be harmful to internal organs if absorbed through the skin. High-Pressure Equipment Information: Accidental high-velocity injection under the skin of materials of this type may result in serious injury. Seek medical attention at once should an accident like this occur. The initial wound at the injection site may not appear to be serious at first; but, if left untreated, could result in disfigurement or amputation of the affected part.
Ingestion: Not expected to be harmful if swallowed.
Inhalation: Not expected to be harmful if inhaled. Contains a petroleum-based mineral oil. May cause respiratory irritation or other pulmonary effects following prolonged or repeated inhalation of oil mist at airborne levels above the recommended mineral oil mist exposure limit. Symptoms of respiratory irritation may include coughing and difficulty breathing.

SECTION 4 FIRST AID MEASURES

Eye: Flush eyes with water immediately while holding the eyelids open. Remove contact lenses, if worn, after initial flushing, and continue flushing for at least 15 minutes. Get medical attention if irritation persists.
Skin: No specific first aid measures are required. As a precaution, remove clothing and shoes if contaminated. To remove the material from skin, apply a waterless hand cleaner, mineral oil, or petroleum jelly. Then wash with soap and water. Discard contaminated clothing and shoes or

thoroughly clean before reuse.

Ingestion: No specific first aid measures are required. Do not induce vomiting. As a precaution, get medical advice.

Inhalation: No specific first aid measures are required. If exposed to excessive levels of material in the air, move the exposed person to fresh air. Get medical attention if coughing or respiratory discomfort occurs.

Note to Physicians: In an accident involving high-pressure equipment, this product may be injected under the skin. Such an accident may result in a small, sometimes bloodless, puncture wound. However, because of its driving force, material injected into a fingertip can be deposited into the palm of the hand. Within 24 hours, there is usually a great deal of swelling, discoloration, and intense throbbing pain. Immediate treatment at a surgical emergency center is recommended.

SECTION 5 FIRE FIGHTING MEASURES

FIRE CLASSIFICATION:

OSHA Classification (29 CFR 1910.1200): Not classified by OSHA as flammable or combustible.

NFPA RATINGS: Health: 0 Flammability: 1 Reactivity: 0

FLAMMABLE PROPERTIES:

Flashpoint: (Cleveland Open Cup) 204 °C (399 °F) (Min)

Autoignition: > 316 °C (> 601 °F)

Flammability (Explosive) Limits (% by volume in air): Lower: Not Applicable Upper: Not Applicable

EXTINGUISHING MEDIA: Use water fog, foam, dry chemical or carbon dioxide (CO2) to extinguish flames.

PROTECTION OF FIRE FIGHTERS:

Fire Fighting Instructions: This material will burn although it is not easily ignited. For fires involving this material, do not enter any enclosed or confined fire space without proper protective equipment, including self-contained breathing apparatus.

Combustion Products: Highly dependent on combustion conditions. A complex mixture of airborne solids, liquids, and gases including carbon monoxide, carbon dioxide, and unidentified organic compounds will be evolved when this material undergoes combustion. Combustion may form oxides of: Nitrogen .

SECTION 6 ACCIDENTAL RELEASE MEASURES

Protective Measures: Eliminate all sources of ignition in vicinity of spilled material.

Spill Management: Stop the source of the release if you can do it without risk. Contain release to prevent further contamination of soil, surface water or groundwater. Clean up spill as soon as possible, observing precautions in Exposure Controls/Personal Protection. Use appropriate techniques such as applying non-combustible absorbent materials or pumping. Where feasible and appropriate, remove contaminated soil. Place contaminated materials in disposable containers and dispose of in a manner consistent with applicable regulations. Clean up spills immediately, observing precautions in Exposure Controls/Personal Protection section.

Reporting: Report spills to local authorities and/or the U.S. Coast Guard's National Response Center at (800) 424-8802 as appropriate or required.

SECTION 7 HANDLING AND STORAGE

Precautionary Measures: Do not get in eyes.

General Handling Information: Avoid contaminating soil or releasing this material into sewage and drainage systems and bodies of water.

Static Hazard: Electrostatic charge may accumulate and create a hazardous condition when handling this material. To minimize this hazard, bonding and grounding may be necessary but may not, by themselves, be sufficient. Review all operations which have the potential of generating and accumulating an electrostatic charge and/or a flammable atmosphere (including tank and container filling, splash filling, tank cleaning, sampling, gauging, switch loading, filtering, mixing, agitation, and vacuum truck operations) and use appropriate mitigating procedures. For more information, refer to OSHA Standard 29 CFR 1910.106, 'Flammable and Combustible Liquids', National Fire Protection Association (NFPA 77, 'Recommended Practice on Static Electricity', and/or the American Petroleum Institute (API) Recommended Practice 2003, 'Protection Against Ignitions Arising Out of Static, Lightning, and Stray Currents'.

Container Warnings: Container is not designed to contain pressure. Do not use pressure to empty container or it may rupture with explosive force. Empty containers retain product residue (solid, liquid, and/or vapor) and can be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks, static electricity, or other sources of ignition. They may explode and cause injury or death. Empty containers should be completely drained, properly closed, and promptly returned to a drum reconditioner or disposed of properly.

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

GENERAL CONSIDERATIONS:

Consider the potential hazards of this material (see Section 3), applicable exposure limits, job activities, and other substances in the work place when designing engineering controls and selecting personal protective equipment. If engineering controls or work practices are not adequate to prevent exposure to harmful levels of this material, the personal protective equipment listed below is recommended. The user should read and understand all instructions and limitations supplied with the equipment since protection is usually provided for a limited time or under certain circumstances.

ENGINEERING CONTROLS:

Use in a well-ventilated area.

PERSONAL PROTECTIVE EQUIPMENT

Eye/Face Protection: Wear protective equipment to prevent eye contact. Selection of protective equipment may include safety glasses, chemical goggles, face shields, or a combination depending on the work operations conducted.

Skin Protection: No special protective clothing is normally required. Where splashing is possible, select protective clothing depending on operations conducted, physical requirements and other substances in the workplace. Suggested materials for protective gloves include: Neoprene, Nitrile Rubber, Viton.

Respiratory Protection: No respiratory protection is normally required.

If user operations generate an oil mist, determine if airborne concentrations are below the occupational exposure limit for mineral oil mist. If not, wear an approved respirator that provides adequate protection from the measured concentrations of this material. For air-purifying respirators use a particulate cartridge.

Use a positive pressure air-supplying respirator in circumstances where air-purifying respirators may not provide adequate protection.

Occupational Exposure Limits:

Component	Agency	TWA	STEL	Ceiling	Notation
Asphalt	ACGIH	.5 mg/m3	--	--	--
Graphite	ACGIH	2 mg/m3	--	--	--
Graphite	OSHA Z-1	5 mg/m3	--	--	--
Highly refined mineral oil (C15 - C50)	ACGIH	5 mg/m3	10 mg/m3	--	--
Highly refined mineral oil (C15 - C50)	OSHA Z-1	5 mg/m3	--	--	--
Molybdenum disulphide	ACGIH	3 mg/m3	--	--	--
Molybdenum disulphide	OSHA Z-1	5 mg/m3	--	--	--

The ACGIH TLV is 0.5 mg/m3 as the benzene extractable portion of the inhalable fraction of asphalt fume. The TLV may also be determined by unspecified 'equivalent' methods.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Attention: the data below are typical values and do not constitute a specification.

Color: Black

Physical State: Semi-solid

Odor: Petroleum odor

pH: Not Applicable

Vapor Pressure:

Vapor Density (Air = 1): >1

Boiling Point: No Data Available

Solubility: Negligible

Freezing Point: Not Applicable

Density: 0.97

Viscosity: No data available

SECTION 10 STABILITY AND REACTIVITY

Chemical Stability: Material is dangerously unstable. See 'Conditions to Avoid' and/or 'Incompatibility With Other Materials' in this section.

Incompatibility With Other Materials: May react with strong acids or strong oxidizing agents, such as chlorates, nitrates, peroxides, etc.

Hazardous Decomposition Products: None known (None expected)

Hazardous Polymerization: Hazardous polymerization will not occur.

SECTION 11 TOXICOLOGICAL INFORMATION

IMMEDIATE HEALTH EFFECTS

Eye Irritation: The eye irritation hazard is based on evaluation of data for similar materials or product components.

Skin Irritation: The skin irritation hazard is based on evaluation of data for similar materials or product components.

Skin Sensitization: The skin sensitization hazard is based on evaluation of data for similar materials or product components.

Acute Dermal Toxicity: The acute dermal toxicity hazard is based on evaluation of data for similar materials or product components.

Acute Oral Toxicity: The acute oral toxicity hazard is based on evaluation of data for similar materials or product components.

Acute Inhalation Toxicity: The acute inhalation toxicity hazard is based on evaluation of data for similar materials or product components.

ADDITIONAL TOXICOLOGY INFORMATION:

There is concern about the carcinogenicity of chemical compounds found in asphalts. The International Agency for Research on Cancer (IARC) reviewed the carcinogenic potential of asphalts in 1985 and again in 1987. At that time, they concluded there was inadequate evidence to decide that asphalts were carcinogenic to humans. Overall, findings from health monitoring studies of asphalt workers are not conclusive. However, asphalt fume condensates and certain chemical components of asphalt fume have been shown to cause cancer in mice when repeatedly applied to the skin and allowed to remain on the skin for a prolonged period of time. In addition, asphalt fume condensates have been shown to be weakly positive in Ames mutagenicity tests. Skin contact and breathing of fumes, mists and vapors should be reduced to a minimum.

This product contains petroleum base oils which may be refined by various processes including severe solvent extraction, severe hydrocracking, or severe hydrotreating. None of the oils requires a cancer warning under the OSHA Hazard Communication Standard (29 CFR 1910.1200). These oils have not been listed in the National Toxicology Program (NTP) Annual Report nor have they been classified by the International Agency for Research on Cancer (IARC) as: carcinogenic to humans (Group 1), probably carcinogenic to humans (Group 2A), or possibly carcinogenic to humans (Group 2B). These oils have not been classified by the American Conference of Governmental Industrial Hygienists (ACGIH) as: confirmed human carcinogen (A1), suspected human carcinogen (A2), or confirmed animal carcinogen with unknown relevance to humans (A3).

SECTION 12 ECOLOGICAL INFORMATION

ECOTOXICITY

The toxicity of this material to aquatic organisms has not been evaluated. Consequently, this material should be kept out of sewage and drainage systems and all bodies of water.

ENVIRONMENTAL FATE

This material is not expected to be readily biodegradable.

SECTION 13 DISPOSAL CONSIDERATIONS

Use material for its intended purpose or recycle if possible. Oil collection services are available for used oil recycling or disposal. Place contaminated materials in containers and dispose of in a manner consistent with applicable regulations. Contact your sales representative or local environmental or health authorities for approved disposal or recycling methods.

SECTION 14 TRANSPORT INFORMATION

The description shown may not apply to all shipping situations. Consult 49CFR, or appropriate Dangerous Goods Regulations, for additional description requirements (e.g., technical name) and mode-specific or quantity-specific shipping requirements.

DOT Shipping Description: PETROLEUM LUBRICATING GREASE, NOT REGULATED AS A HAZARDOUS MATERIAL

IMO/IMDG Shipping Description: PETROLEUM LUBRICATING GREASE, NOT REGULATED AS A DANGEROUS GOOD

ICAO/IATA Shipping Description: PETROLEUM LUBRICATING GREASE, NOT REGULATED AS A DANGEROUS GOOD

SECTION 15 REGULATORY INFORMATION

- EPCRA 311/312 CATEGORIES:** 1. Immediate (Acute) Health Effects: YES
2. Delayed (Chronic) Health Effects: NO
3. Fire Hazard: NO
4. Sudden Release of Pressure Hazard: NO
5. Reactivity Hazard: NO

REGULATORY LISTS SEARCHED:

01-1=IARC Group 1	03=EPCRA 313
01-2A=IARC Group 2A	04=CA Proposition 65
01-2B=IARC Group 2B	05=MA RTK
02=NTP Carcinogen	06=NJ RTK
	07=PA RTK

The following components of this material are found on the regulatory lists indicated.

Asphalt	05, 06, 07
Graphite	05, 07
Molybdenum disulphide	05, 06

CHEMICAL INVENTORIES:

All components comply with the following chemical inventory requirements: AICS (Australia), DSL (Canada), EINECS (European Union), IECSC (China), KECI (Korea), PICCS (Philippines), TSCA (United States).

One or more components does not comply with the following chemical inventory requirements: ENCS (Japan).

NEW JERSEY RTK CLASSIFICATION:

Under the New Jersey Right-to-Know Act L. 1983 Chapter 315 N.J.S.A. 34:5A-1 et. seq., the product is to be identified as follows: PETROLEUM OIL (Grease)

WHMIS CLASSIFICATION:

Class D, Division 2, Subdivision B: Toxic Material - Skin or Eye Irritation

SECTION 16 OTHER INFORMATION

NFPA RATINGS: Health: 0 Flammability: 1 Reactivity: 0

HMIS RATINGS: Health: 1 Flammability: 1 Reactivity: 0 PPE: B
(0-Least, 1-Slight, 2-Moderate, 3-High, 4-Extreme, PPE:- Personal Protection Equipment Index recommendation, *- Chronic Effect Indicator). These values are obtained using the guidelines or published evaluations prepared by the National Fire Protection Association (NFPA) or the National Paint and Coating Association (for HMIS ratings).

LABEL RECOMMENDATION:

Label Category : GREASE 4

REVISION STATEMENT: This revision updates the following sections of this Material Safety Data Sheet: 1-16

Revision Date: 07/16/2004

ABBREVIATIONS THAT MAY HAVE BEEN USED IN THIS DOCUMENT:

TLV - Threshold Limit Value	TWA - Time Weighted Average
STEL - Short-term Exposure Limit	PEL - Permissible Exposure Limit
	CAS - Chemical Abstract Service Number
ACGIH - American Conference of Government Industrial Hygienists	IMO/IMDG - International Maritime Dangerous Goods Code
API - American Petroleum Institute	MSDS - Material Safety Data Sheet
CVX - ChevronTexaco	NFPA - National Fire Protection Association (USA)
DOT - Department of Transportation (USA)	NTP - National Toxicology Program (USA)
IARC - International Agency for Research on Cancer	OSHA - Occupational Safety and Health Administration

Prepared according to the OSHA Hazard Communication Standard (29 CFR 1910.1200) and the ANSI MSDS Standard (Z400.1) by the ChevronTexaco Energy Research & Technology Company, 100 Chevron Way, Richmond, California 94802.

The above information is based on the data of which we are aware and is believed to be correct as of the date hereof. Since this information may be applied under conditions beyond our control and with which we may be unfamiliar and since data made available subsequent to the date hereof may suggest modifications of the information, we do not assume any responsibility for the results of its use. This information is furnished upon condition that the person receiving it shall make his own determination of the suitability of the material for his particular purpose.

Material Safety Data Sheet

SECTION 1 PRODUCT AND COMPANY IDENTIFICATION

Chevron Starting Fluid (Spray Type)

Product Use: Fuel Additive
Product Number(s): CPS213105
Company Identification
Chevron Products Company
a division of Chevron U.S.A. Inc.
6001 Bollinger Canyon Road
San Ramon, CA 94583
United States of America
www.chevronlubricants.com

Transportation Emergency Response
CHEMTREC: (800) 424-9300 or (703) 527-3887
Health Emergency
Chevron Emergency Information Center: Located in the USA. International collect calls accepted. (800) 231-0623 or (510) 231-0623
Product Information
email : lubemsds@chevron.com
Product Information: (800) LUBE TEK
MSDS Requests: (800) 414-6737

SECTION 2 COMPOSITION/ INFORMATION ON INGREDIENTS

COMPONENTS	CAS NUMBER	AMOUNT
Diethyl ether	60-29-7	75 - 90 %weight
Toluene (methylbenzene)	108-88-3	3 - 9.9 %weight
Distillates, hydrotreated light naphthenic	64742-53-6	1 - 4.9 %weight
Carbon dioxide	124-38-9	3 - 9.9 %weight

SECTION 3 HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

- EXTREMELY FLAMMABLE AEROSOL
- CONTENTS UNDER PRESSURE
- HARMFUL OR FATAL IF SWALLOWED - MAY CAUSE LUNG DAMAGE IF SWALLOWED
- MAY BE HARMFUL IF INHALED - CAUSES HEADACHE, DROWSINESS, OR OTHER EFFECTS TO THE NERVOUS SYSTEM
- CAUSES EYE IRRITATION
- BIRTH DEFECT HAZARD - CONTAINS MATERIAL THAT MAY CAUSE BIRTH DEFECTS
- MAY CAUSE DAMAGE TO:
- AUDITORY SYSTEM

IMMEDIATE HEALTH EFFECTS

Eye: Contact with the eyes causes irritation. Symptoms may include pain, tearing, reddening, swelling and impaired vision.
Skin: Skin contact may cause drying or defatting of the skin. Contact with the skin is not expected to cause an allergic skin response. Symptoms may include pain, itching, discoloration, swelling, and blistering. Not expected to be harmful to internal organs if absorbed through the skin.
Ingestion: Because of its low viscosity, this material can directly enter the lungs, if swallowed, or if subsequently vomited. Once in the lungs it is very difficult to remove and can cause severe injury or death.

Inhalation: Intentional misuse by deliberately inhaling this material may be harmful or fatal. Contains a petroleum-based mineral oil. May cause respiratory irritation or other pulmonary effects following prolonged or repeated inhalation of oil mist at airborne levels above the recommended mineral oil mist exposure limit. Symptoms of respiratory irritation may include coughing and difficulty breathing.

DELAYED OR OTHER HEALTH EFFECTS:

Reproduction and Birth Defects: Contains material that may cause birth defects.

Target Organs: Contains material that may cause damage to the following organ(s) following repeated inhalation at concentrations above the recommended exposure limit: Nervous System Auditory System
See Section 11 for additional information. Risk depends on duration and level of exposure.

SECTION 4 FIRST AID MEASURES

Eye: Flush eyes with water immediately while holding the eyelids open. Remove contact lenses, if worn, after initial flushing, and continue flushing for at least 15 minutes. Get medical attention if irritation persists.

Skin: Wash skin with water immediately and remove contaminated clothing and shoes. Get medical attention if any symptoms develop. To remove the material from skin, use soap and water. Discard contaminated clothing and shoes or thoroughly clean before reuse.

Ingestion: If swallowed, get immediate medical attention. Do not induce vomiting. Never give anything by mouth to an unconscious person. If swallowed, get medical attention. Do not induce vomiting. Never give anything by mouth to an unconscious person.

Inhalation: Move the exposed person to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention if breathing difficulties continue.

Note to Physicians: Ingestion of this product or subsequent vomiting may result in aspiration of light hydrocarbon liquid, which may cause pneumonitis.

SECTION 5 FIRE FIGHTING MEASURES

FIRE CLASSIFICATION:

OSHA Classification (29 CFR 1910.1200): Flammable aerosol.

NFPA RATINGS: Health: 2 Flammability: 4 Reactivity: 1

FLAMMABLE PROPERTIES:

Flashpoint: (Tagliabue Closed Cup ASTM D56) -45 °C (-49 °F)

Autoignition: 180 °C (356 °F) (Typical)

Flammability (Explosive) Limits (% by volume in air): Lower: 1.7 Upper: 48

EXTINGUISHING MEDIA: Dry Chemical, CO2, AFFF Foam or alcohol resistant foam.

PROTECTION OF FIRE FIGHTERS:

Fire Fighting Instructions: For fires involving this material, do not enter any enclosed or confined fire space without proper protective equipment, including self-contained breathing apparatus.

Combustion Products: Highly dependent on combustion conditions. A complex mixture of airborne solids, liquids, and gases including carbon monoxide, carbon dioxide, and unidentified organic compounds will be evolved when this material undergoes combustion.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Protective Measures: Eliminate all sources of ignition in the vicinity of the released aerosol.

Spill Management: Clean up spills immediately, observing precautions in Exposure Controls/Personal Protection section.

Reporting: Report spills to local authorities as appropriate or required.

SECTION 7 HANDLING AND STORAGE

Precautionary Measures: This material presents a fire hazard. It can catch fire and burn so vigorously and persistently that it creates a serious hazard. Do not get in eyes, on skin, or on clothing. Do not taste or swallow. Do not breathe vapor or fumes. Wash thoroughly after handling. Keep out of the reach of children.

General Handling Information: Avoid contaminating soil or releasing this material into sewage and drainage systems and bodies of water.

Static Hazard: Electrostatic charge may accumulate and create a hazardous condition when handling this material. To minimize this hazard, bonding and grounding may be necessary but may not, by themselves, be sufficient. Review all operations which have the potential of generating and accumulating an electrostatic charge and/or a flammable atmosphere (including tank and container filling, splash filling, tank cleaning, sampling, gauging, switch loading, filtering, mixing, agitation, and vacuum truck operations) and use appropriate mitigating procedures. For more information, refer to OSHA Standard 29 CFR 1910.106, 'Flammable and Combustible Liquids', National Fire Protection Association (NFPA 77, 'Recommended Practice on Static Electricity', and/or the American Petroleum Institute (API) Recommended Practice 2003, 'Protection Against Ignitions Arising Out of Static, Lightning, and Stray Currents'.

General Storage Information: DO NOT USE OR STORE near heat, sparks, flames, or hot surfaces. USE AND STORE ONLY IN

WELL VENTILATED AREA. Keep container closed when not in use.

Container Warnings: Empty containers retain product residue (solid, liquid, and/or vapor) and can be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks, static electricity, or other sources of ignition. They may explode and cause injury or death.

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

GENERAL CONSIDERATIONS:

Consider the potential hazards of this material (see Section 3), applicable exposure limits, job activities, and other substances in the work place when designing engineering controls and selecting personal protective equipment. If engineering controls or work practices are not adequate to prevent exposure to harmful levels of this material, the personal protective equipment listed below is recommended. The user should read and understand all instructions and limitations supplied with the equipment since protection is usually provided for a limited time or under certain circumstances.

ENGINEERING CONTROLS:

Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below the recommended exposure limits.

PERSONAL PROTECTIVE EQUIPMENT

Eye/Face Protection: Wear protective equipment to prevent eye contact. Selection of protective equipment may include safety glasses, chemical goggles, face shields, or a combination depending on the work operations conducted.

Skin Protection: Wear protective clothing to prevent skin contact. Selection of protective clothing may include gloves, apron, boots, and complete facial protection depending on operations conducted. Suggested materials for protective gloves include: Nitrile Rubber, Polyvinyl Alcohol (PVA) (Note: Avoid contact with water. PVA deteriorates in water.).

Respiratory Protection: Determine if airborne concentrations are below the recommended occupational exposure limits for jurisdiction of use. If airborne concentrations are above the acceptable limits, wear an approved respirator that provides adequate protection from this material, such as: Supplied-Air Respirator, or Air-Purifying Respirator for Organic Vapors.

If user operations generate an oil mist, determine if airborne concentrations are below the occupational exposure limit for mineral oil mist. If not, wear an approved respirator that provides adequate protection from the measured concentrations of this material. For air-purifying respirators use a particulate cartridge.

Use a positive pressure air-supplying respirator in circumstances where air-purifying respirators may not provide adequate protection.

Occupational Exposure Limits:

Component	Agency	TWA	STEL	Ceiling	Notation
Carbon dioxide	ACGIH	5000 ppm (weight)	30000 ppm (weight)	--	--
Carbon dioxide	OSHA Z-1	9000 mg/m3	--	--	--
Diethyl ether	ACGIH	400 ppm (weight)	500 ppm (weight)	--	--
Diethyl ether	OSHA Z-1	1200 mg/m3	--	--	--
Distillates, hydrotreated light naphthenic	ACGIH	5 mg/m3	10 mg/m3	--	--
Distillates, hydrotreated light naphthenic	OSHA Z-1	5 mg/m3	--	--	--
Toluene (methylbenzene)	ACGIH	50 ppm (weight)	--	--	Skin A4
Toluene (methylbenzene)	OSHA Z-2	200 ppm (weight)	--	300 ppm (weight)	--

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Attention: the data below are typical values and do not constitute a specification.

Color: Colorless

Physical State: Liquid

Odor: Pungent

pH: Not Applicable

Vapor Pressure: 538 mmHg @ 25 °C (77 °F)

Vapor Density (Air = 1): 2.5 (Approximate)

Boiling Point: 34.6°C (94.3°F) (Typical)

Solubility: 6 % (Approximate)

Freezing Point: -116°C (-176.8°F) (Typical)

Specific Gravity: 0.7

Viscosity: 0.24 cP @ 20°C (68°F)

Evaporation Rate: 37.5 (Approximate)

SECTION 10 STABILITY AND REACTIVITY

Chemical Stability: This material is considered stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.

Incompatibility With Other Materials: May react with strong acids or strong oxidizing agents, such as chlorates, nitrates, peroxides, etc.

Hazardous Decomposition Products: None known (None expected)

Hazardous Polymerization: Hazardous polymerization will not occur.

SECTION 11 TOXICOLOGICAL INFORMATION

IMMEDIATE HEALTH EFFECTS

Eye Irritation: The eye irritation hazard is based on evaluation of data for similar materials or product components.

Skin Irritation: The skin irritation hazard is based on evaluation of data for similar materials or product components.

Skin Sensitization: The skin sensitization hazard is based on evaluation of data for similar materials or product components.

Acute Dermal Toxicity: The acute dermal toxicity hazard is based on evaluation of data for similar materials or product components.

Acute Oral Toxicity: The acute oral toxicity hazard is based on evaluation of data for similar materials or product components.

Acute Inhalation Toxicity: The acute inhalation toxicity hazard is based on evaluation of data for similar materials or product components.

ADDITIONAL TOXICOLOGY INFORMATION:

This product contains toluene.

GENERAL TOXICITY: The primary effects of exposure to toluene in animals and humans are on the central nervous system.

Solvent abusers, who typically inhale high concentrations (thousands of ppm) for brief periods of time, in addition to experiencing respiratory tract irritation, often suffer permanent central nervous system effects that include tremors, staggered gait, impaired speech, hearing and vision loss, and changes in brain tissue. Death in some solvent abusers has been attributed to cardiac arrhythmias, which appear to have been triggered by epinephrine acting on solvent sensitized cardiac tissue. Although liver and kidney effects have been seen in some solvent abusers, results of animal testing with toluene do not support these as primary target organs.

HEARING: Humans who were occupationally exposed to concentrations of toluene as low as 100 ppm for long periods of time have experienced hearing deficits. Hearing loss, as demonstrated using behavioral and electrophysiological testing as well as by observation of structural damage to cochlear hair cells, occurred in experimental animals exposed to toluene. It also appears that toluene exposure and noise may interact to produce hearing deficits.

COLOR VISION: In a single study of workers exposed to toluene at levels under 50 ppm, small decreases in the ability to discriminate colors in the blue-yellow range have been reported for female workers. This effect, which should be investigated further, is very subtle and would not likely have been noticed by the people tested.

REPRODUCTIVE/DEVELOPMENTAL TOXICITY: Toluene may also cause mental and/or growth retardation in the children of female solvent abusers who directly inhale toluene (usually at thousands of ppm) when they are pregnant. Toluene caused growth retardation in rats and rabbits when administered at doses that were toxic to the mothers. In rats, concentrations of up to 5000 ppm did not cause birth defects. No effects were observed in the offspring at doses that did not intoxicate the pregnant animals. The exposure level at which no effects were seen (No Observed Effect Level, NOEL) is 750 ppm in the rat and 500 ppm in the rabbit.

This product contains petroleum base oils which may be refined by various processes including severe solvent extraction, severe hydrocracking, or severe hydrotreating. None of the oils requires a cancer warning under the OSHA Hazard Communication Standard (29 CFR 1910.1200). These oils have not been listed in the National Toxicology Program (NTP) Annual Report nor have they been classified by the International Agency for Research on Cancer (IARC) as: carcinogenic to humans (Group 1), probably carcinogenic to humans (Group 2A), or possibly carcinogenic to humans (Group 2B). These oils have not been classified by the American Conference of Governmental Industrial Hygienists (ACGIH) as: confirmed human carcinogen (A1), suspected human carcinogen (A2), or confirmed animal carcinogen with unknown relevance to humans (A3).

SECTION 12 ECOLOGICAL INFORMATION

ECOTOXICITY

This material is not expected to be harmful to aquatic organisms. The ecotoxicity hazard is based on an evaluation of data for the components or a similar material.

ENVIRONMENTAL FATE

This material is not expected to be readily biodegradable.

SECTION 13 DISPOSAL CONSIDERATIONS

Use material for its intended purpose or recycle if possible. This material, if it must be discarded, may meet the criteria of a hazardous waste as defined by US EPA under RCRA (40 CFR 261) or other State and local regulations. Measurement of certain physical properties and analysis for regulated components may be necessary to make a correct determination. If this material is

classified as a hazardous waste, federal law requires disposal at a licensed hazardous waste disposal facility.

SECTION 14 TRANSPORT INFORMATION

The description shown may not apply to all shipping situations. Consult 49CFR, or appropriate Dangerous Goods Regulations, for additional description requirements (e.g., technical name) and mode-specific or quantity-specific shipping requirements.

DOT Shipping Description: AEROSOL, FLAMMABLE, N.O.S(ENGINE STARTING FLUID), 2.1, UN1950
Additional Information:EACH CONTAINER NOT TO EXCEED 1 LITER.

IMO/IMDG Shipping Description: UN1950, AEROSOLS, 2.1

ICAO/IATA Shipping Description: UN1950, AEROSOL, FLAMMABLE, ENGINE STARTING FLUID, 2.1

SECTION 15 REGULATORY INFORMATION

EPCRA 311/312 CATEGORIES: 1. Immediate (Acute) Health Effects: YES
2. Delayed (Chronic) Health Effects: YES
3. Fire Hazard: YES
4. Sudden Release of Pressure Hazard: YES
5. Reactivity Hazard: YES

REGULATORY LISTS SEARCHED:

01-1=IARC Group 1	03=EPCRA 313
01-2A=IARC Group 2A	04=CA Proposition 65
01-2B=IARC Group 2B	05=MA RTK
02=NTP Carcinogen	06=NJ RTK
	07=PA RTK

The following components of this material are found on the regulatory lists indicated.

Carbon dioxide	05, 06, 07
Diethyl ether	05, 06, 07
Toluene (methylbenzene)	03, 04, 05, 06, 07

CERCLA REPORTABLE QUANTITIES(RQ)/EPCRA 302 THRESHOLD PLANNING QUANTITIES(TPQ):

Component	Component RQ	Component TPQ	Product RQ
Diethyl ether	100 lbs	None	111 lbs
Toluene (methylbenzene)	1000 lbs	None	11111 lbs

CHEMICAL INVENTORIES:

All components comply with the following chemical inventory requirements: AICS (Australia), DSL (Canada), EINECS (European Union), ENCS (Japan), IECSC (China), KECI (Korea), PICCS (Philippines), TSCA (United States).

NEW JERSEY RTK CLASSIFICATION:

Refer to components listed in Section 2.

WHMIS CLASSIFICATION:

Class B, Division 5: Flammable Aerosols
Class D, Division 2, Subdivision A: Very Toxic Material -
Teratogenicity and Embryotoxicity
Class D, Division 2, Subdivision B: Toxic Material -
Skin or Eye Irritation

SECTION 16 OTHER INFORMATION

NFPA RATINGS: Health: 2 Flammability: 4 Reactivity: 1

HMIS RATINGS: Health: 2* Flammability: 4 Reactivity: 2
(0-Least, 1-Slight, 2-Moderate, 3-High, 4-Extreme, PPE:- Personal Protection Equipment Index recommendation, *- Chronic Effect Indicator). These values are obtained using the guidelines or published evaluations prepared by the National Fire Protection Association (NFPA) or the National Paint and Coating Association (for HMIS ratings).

LABEL RECOMMENDATION:

Label Category : AEROSOL 3 - AER3

REVISION STATEMENT: This revision updates the following sections of this Material Safety Data Sheet: 2,3,4,5,9,14,15,16**Revision Date:** December 13, 2006**ABBREVIATIONS THAT MAY HAVE BEEN USED IN THIS DOCUMENT:**

TLV - Threshold Limit Value	TWA - Time Weighted Average
STEL - Short-term Exposure Limit	PEL - Permissible Exposure Limit
	CAS - Chemical Abstract Service Number
ACGIH - American Conference of Government Industrial Hygienists	IMO/IMDG - International Maritime Dangerous Goods Code
API - American Petroleum Institute	MSDS - Material Safety Data Sheet
CVX - Chevron	NFPA - National Fire Protection Association (USA)
DOT - Department of Transportation (USA)	NTP - National Toxicology Program (USA)
IARC - International Agency for Research on Cancer	OSHA - Occupational Safety and Health Administration

Prepared according to the OSHA Hazard Communication Standard (29 CFR 1910.1200) and the ANSI MSDS Standard (Z400.1) by the Chevron Energy Technology Company, 100 Chevron Way, Richmond, California 94802.

The above information is based on the data of which we are aware and is believed to be correct as of the date hereof. Since this information may be applied under conditions beyond our control and with which we may be unfamiliar and since data made available subsequent to the date hereof may suggest modifications of the information, we do not assume any responsibility for the results of its use. This information is furnished upon condition that the person receiving it shall make his own determination of the suitability of the material for his particular purpose.

CHOCKFAST ORANGE HARDENER

This product appears in the following stock number(s):

1010U 1020U

Last revised: 07/01/03

Printed: 2/7/2005

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**Tradename:** CHOCKFAST ORANGE HARDENER**General use:** The following data pertain to the hardener only; properly mixed and cured epoxies are not hazardous.**Chemical family:** Aliphatic amines**MANUFACTURER**ITW Philadelphia Resins
130 Commerce Dr.
Montgomeryville, PA 18936**EMERGENCY INFORMATION****Emergency telephone number**

(CHEMTREC): (800) 424-9300

Other Calls: (215) 855-8450**2. COMPOSITION/INFORMATION ON INGREDIENTS****HAZARDOUS CONSTITUENTS****Exposure limits**

Constituent	Abbr.	CAS No.	Weight percent	ACGIH TLV	OSHA PEL	Other Limits
Triethylenetetramine	TETA	112243	> 80	n/e	n/e	1 ppm (skin) (AIHA-WEEL)

"TLV" means the Threshold Limit Value exposure (eight-hour, time-weighted average, unless otherwise noted) established by the American Conference of Governmental Industrial Hygienists. "STEL" indicates a short-term exposure limit. "PEL" indicates the OSHA Permissible Exposure Limit. "n/e" indicates that no exposure limit has been established. An asterisk (*) indicates a substance whose identity is a trade secret of our supplier and unknown to us.

3. HAZARDS IDENTIFICATION**Emergency Overview**

Appearance, form, odor: amber liquid with fishy odor.

DANGER! Corrosive. Causes eye and skin burns. Eye, skin and respiratory irritant. Toxic by skin absorption. May cause skin sensitization.**Potential health effects****Primary routes of exposure:** ☒ Skin contact ☒ Skin absorption ☒ Eye contact ☐ Inhalation ☒ Ingestion**Symptoms of acute overexposure:****Skin:** Corrosive. Severe irritant. Can cause pain, burns, necrosis and permanent injury. Toxic by skin absorption (malaise, discomfort, injury and death unless treated promptly). May cause skin sensitization.**Eyes:** Corrosive. Severe irritant. Can cause pain, burns, necrosis and permanent injury (blindness). Vapors can cause lacrimation, conjunctivitis and corneal edema when absorbed into the tissue of the eye.

Inhalation:

Inhalation of vapors can cause irritation in the respiratory tract. Inhalation of mists and aerosols may severely damage contacted tissue and produce scarring.

Ingestion:

May cause irritation of mouth and throat and gastrointestinal tract.

Effects of chronic overexposure:

Repeated skin contact can cause sensitization, with itching, rashes, or swelling of the skin. May cause respiratory sensitization/asthmatic response. Repeated and /or prolonged exposures may result in: adverse skin effects (such as defatting, rash, irritation or corrosion), adverse eye effects (such as conjunctivitis or corneal damage), and adverse respiratory effects (cough, tightness of chest, shortness of breath).

Carcinogenicity -- OSHA regulated: No

ACGIH: No

National Toxicology Program: No

International Agency for Research on Cancer:No

Cancer-suspect constituent(s) : None

Medical conditions which may be aggravated by exposure:

Asthma. Chronic respiratory disease (e.g. Bronchitis, Emphysema). Eye disease. Skin disorders and allergies.

Other effects:

Repeated and/or prolonged exposure to low concentrations of vapor may cause: sore throat, eye irritation, nausea, faintness, headache, which are transient. Exposure to vapor may also cause minor transient edema of the corneal epithelium (blue-haze). This effect produces a blurring of vision against a general bluish haze and the appearance of halos around bright objects. The effect disappears spontaneously within a few hours of the end of exposure and leaves no sequelae.

4. FIRST AID MEASURES**First aid for eyes:**

Immediately flush with clean water for at least 15 minutes while gently holding eyelids open. Get medical help as soon as possible.

First aid for skin:

Immediately remove contaminated clothing and excess contaminant. Flush skin with water. Wash thoroughly with soap and warm water. Consult a physician if irritation develops.

First aid for inhalation:

Remove patient to fresh air. Give oxygen or artificial respiration if needed. Prevent aspiration of vomit. Turn victims head to side. Seek medical advice.

First aid for ingestion:

Do NOT induce vomiting. Dilute with lots of milk or water (3-4 glasses). Never give anything by mouth to an unconscious person. Get immediate medical help.

5. FIRE FIGHTING MEASURES**General fire and explosion characteristics:**

Ignition will give rise to a class B fire.

Extinguishing media:

☐ Water

☒ Carbon dioxide

☒ Dry chemical

☐ Foam

☒ Alcohol foam

Flash Point (°F): >240

Method: CC

Explosive limits in air (percent) -- Lower: n/d

Upper: n/d

Special firefighting procedures:

Firefighters should wear self-contained breathing apparatus and sufficient protective gear (butyl rubber) to prevent all skin and eye contact with this material. Retain liquids from fire fighting for later disposal.

Unusual fire and explosion hazards:

Sudden reaction and fire may result if product is mixed with an oxidizing agent. Personnel in vicinity and downwind should be evacuated.

Hazardous products of combustion:

Acrid and toxic fumes with organic amines, ammonia, oxides of carbon and nitrogen.

6. ACCIDENTAL RELEASE MEASURES**Spill control:**

Avoid personal contact. Eliminate ignition sources. Ventilate area. Reduce vapor spreading with a water spray. Clean-up personnel should wear proper protective clothing and respirator.

Containment:

Dike, contain and absorb with clay, sand or other suitable (non-reactive) material.

Cleanup:

For large spills, pump to storage/salvage vessels. Soak up residue with an absorbent such as clay, sand, or other suitable material and dispose of properly. Flush area with water to remove trace residue.

Special procedures:

Prevent spill from entering drainage/sewer systems, waterways, and surface waters.

7. HANDLING AND STORAGE**Handling precautions:**

Avoid contact with skin, eyes, or clothing. Handle in well ventilated work space. Wash thoroughly with soap and water after using and particularly before eating, drinking, smoking, applying cosmetics, or using toilet facilities. Launder contaminated clothing and protective gear before reuse. Discard contaminated leather articles. Handle mixed resin and hardener in accordance with the potential hazard of the curing agent used. Provide appropriate ventilation/respiratory protection against decomposition products (see Section 10) during welding/flame cutting operations and to protect against nuisance dust during sanding/grinding of cured product. Do not use sodium nitrite or other nitrosating agents in formulations containing this product, cancer-causing nitrosamines could be formed.

Storage:

Keep away from acids and oxidizers. Store in a cool, dry, ventilated area in closed containers. Keep away from high temperatures and flames. Do not store in iron or other reactive metal containers.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION**Engineering controls****Ventilation :**

General mechanical ventilation is adequate for occasional use. For prolonged or repeated use, local exhaust is recommended. Provide adequate ventilation to maintain air concentrations below established exposure levels.

Other engineering controls :

Have emergency shower and eye wash stations available.

Personal protective equipment**Eye and face protection:**

Splash-proof eye goggles. In emergency situations, use eye goggles with full face shield.

Skin protection:

Chemical-resistant rubber (for example, neoprene, butyl rubber or nitrile) gloves and other protective gear as needed

to prevent skin contact.

Respiratory protection:

None needed in normal use with proper ventilation. In poorly ventilated areas or when creating a dust or mist, use NIOSH-approved ammonia vapor respirator as exposure levels dictate.

9. PHYSICAL AND CHEMICAL PROPERTIES

Specific gravity:	0.98	Boiling point (°F):	530.6
Melting point (°F):	n/d	Vapor density (air = 1):	5.03
Vapor pressure (mmHg):	.00752 mmHg at 70 °F	Evaporation rate (butyl acetate = 1):	<<1
VOC (grams/liter):	0	Solubility in water:	Completely
Percent volatile by volume:	0	pH (5% solution or slurry in water):	alkaline
Percent solids by weight:	100		

10. STABILITY AND REACTIVITY

This material is chemically stable. Hazardous polymerization will not occur.

Conditions to avoid :

Extreme heat or open flame. Product slowly corrodes copper, aluminum, zinc and galvanized surfaces.

Incompatible materials:

Oxidizers, acids, reactive metals. Sodium or calcium hypochlorite. Nitrous acid, nitrites, nitrous oxide atm. Peroxides. Mat'ls reactive with hydroxyl compounds.

Hazardous products of decomposition:

Acrid and toxic fumes including organic amines, ammonia, oxides of nitrogen and carbon, nitric acid, nitrosamines. Aldehydes.

Conditions under which hazardous polymerization may occur:

Heat is generated when this hardener reacts with acids and epoxy resins. Mix only as instructed.

11. TOXICOLOGICAL INFORMATION

Acute oral effects: LD50 (rat): > 2000 mg/kg (estimate)

Acute dermal effects: LD50 (rabbit): 805 mg/kg

TETA has been found to be toxic by skin absorption (ANSI Z129.1 1988). TETA is a severe irritant to the skin of a rabbit.

Acute inhalation effects: LC50 (rat): No data

Exposure: hours.

Eye irritation:

TETA is a severe irritant to the eyes of a rabbit.

Subchronic effects:

No data.

Carcinogenicity, teratogenicity, and mutagenicity:

TETA has tested positive in screening tests for mutagenicity. TETA was found fetotoxic and teratogenic when fed to rats at 0.83% and 1.67% of diet. When applied dermally to the skin of pregnant guinea pigs, there was a 90% abortion rate or death of fetus with developmental anomalies.

Other chronic effects:

It has been generally observed in animal studies that aliphatic amines can cause changes in the lungs and heart. TETA has been found to produce liver and kidney damage and brain congestion in dermally exposed animals. Sensitization has occurred in laboratory animals after repeated exposures.

Toxicological information on hazardous chemical constituents of this product:

Constituent	Oral LD50 (rat)	Dermal LD50 (rabbit)	Inhalation LC50 4hr, (rat)
Triethylenetetramine	2500 mg/kg	805 mg/kg	n/d

'n/d' = 'not determined'

12 ECOLOGICAL INFORMATION**Ecotoxicity:**

No data.

Mobility and persistence:

No data.

Environmental fate:

No data.

13. DISPOSAL CONSIDERATIONS

Please see also Section 15, Regulatory Information.

Waste management recommendations:

If this material becomes a waste, it would not be a hazardous waste by RCRA criteria (40CFR 261). Dispose of according to applicable federal, state, and local regulations.

14. TRANSPORT INFORMATION**Proper shipping name:** Triethylenetetramine**Technical name :** N/A**Hazard class :** 8**UN number:** 2259**Packing group:** II**Emergency Response Guide no.:** 153**IMDG page number:** N/A**Other:** N/A**15. REGULATORY INFORMATION****U.S. Federal Regulations****TSCA**

All ingredients of this product are listed, or are exempt from listing, on the TSCA inventory.

The following RCRA code(s) applies to this material if it becomes waste:

None

Regulatory status of hazardous chemical constituents of this product:

Constituent	Extremely Hazardous*	Toxic Chemical**	CERCLA RQ (lbs)	TSCA 12B Export Notification
Triethylenetetramine	No	No	0.0	Not required

*Consult the appropriate regulations for emergency planning and release reporting requirements for substances on the SARA Section 301 Extremely Hazardous Substance list.

**Substances for which the "Toxic Chemical" column is marked "Yes" are on the SARA Section 313 list of Toxic Chemicals, for which release reporting may be required. For specific requirements, consult the appropriate regulations.

For purposes of SARA Section 312 hazardous materials inventory reporting, the following hazard classes apply to this material: - Immediate health hazard -- Delayed health hazard -

Canadian regulations

WHMIS hazard class(es) : D1B; D2B; E

All components of this product are on the Domestic Substances List.

16. OTHER INFORMATION

**Hazardous Materials
Identification System (HMIS)
ratings:**

Health**3*****Flammability****1****Reactivity****1**

The information and recommendations in this document are based on the best information available to us at the time of preparation, but we make no other warranty, express or implied, as to its correctness or completeness, or as to the results of reliance on this document.

CHOCKFAST ORANGE RESIN

This product appears in the following stock number(s):

1010U 1020U

Last revised: 01/19/05

Printed: 2/7/2005

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**Tradename:** CHOCKFAST ORANGE RESIN**General use:** This information applies to the resin component of the two-part kit; handle freshly-mixed resin and hardener as recommended for the hardener. After curing, the product is not hazardous.**Chemical family:** Epoxy resin**MANUFACTURER**ITW Philadelphia Resins
130 Commerce Dr.
Montgomeryville, PA 18936**EMERGENCY INFORMATION****Emergency telephone number**

(CHEMTREC): (800) 424-9300

Other Calls: (215) 855-8450**2. COMPOSITION/INFORMATION ON INGREDIENTS****HAZARDOUS CONSTITUENTS****Exposure limits**

Constituent	Abbr.	CAS No.	Weight percent	ACGIH TLV	OSHA PEL	Other Limits
Crystalline silica		14808607	30-60	0.05 mg/m3	10/(%Q+2) mg	0.10 mg/m ³ (Canada)
Bisphenol A diglycidyl ether resin	DGEBPA	25068386	30-60	n/e	n/e	n/e
Epoxy phenol novalac resin		TRADE SECRET	1-5	n/e	n/e	n/e
Inert filler		TRADE SECRET	5-10	n/e	n/e	n/e

"TLV" means the Threshold Limit Value exposure (eight-hour, time-weighted average, unless otherwise noted) established by the American Conference of Governmental Industrial Hygienists. "STEL" indicates a short-term exposure limit. "PEL" indicates the OSHA Permissible Exposure Limit. "n/e" indicates that no exposure limit has been established. An asterisk (*) indicates a substance whose identity is a trade secret of our supplier and unknown to us.

3. HAZARDS IDENTIFICATION**Emergency Overview**

Appearance, form, odor: Orange viscous liquid with little odor.

WARNING! Eye and skin irritant. Potential skin sensitizer.**Potential health effects****Primary routes of exposure:** ☒ Skin contact ☐ Skin absorption ☒ Eye contact ☐ Inhalation ☐ Ingestion**Symptoms of acute overexposure:****Skin:** Moderate irritant. Contact at elevated temperatures can cause thermal burns which may result in permanent damage. May cause skin sensitization (itching, redness, rashes, hives, burning, swelling).

Eyes: Moderate irritant (stinging, burning sensation, tearing, redness, swelling). Contact at elevated temperatures can cause thermal burns which may result in permanent damage or blindness.

Inhalation:

The low vapor pressure of the resin makes inhalation unlikely in normal use. In applications where vapors (caused by high temperature) or mists (caused by mixing) are created, breathing may cause a mild burning sensation in the nose, throat and lungs.

Ingestion:

Acute oral toxicity is low. May cause gastric distress. Large oral doses may produce moderate depression and slight difficulty breathing.

Effects of chronic overexposure:

Prolonged or repeated skin contact may cause sensitization, with itching, swelling, or rashes on later exposure. Studies have shown bisphenol A diglycidyl ether resin to be a sensitizing agent causing allergic contact dermatitis.

Carcinogenicity -- OSHA regulated: No

ACGIH: No

National Toxicology Program: Yes

International Agency for Research on Cancer: Yes

Cancer-suspect constituent(s) : Silica

Medical conditions which may be aggravated by exposure:

Preexisting eye and skin disorders. Development of preexisting skin or lung allergy symptoms may increase.

Other effects:

See section 11.

4. FIRST AID MEASURES

First aid for eyes:

Flush eye with clean water for at least 20 minutes while gently holding eyelids open, lifting upper and lower lids. Get immediate medical attention.

First aid for skin:

Immediately remove contaminated clothing and excess contaminant. Flush skin with water for at least 15 minutes. Wash thoroughly with soap and warm water. Consult a physician if irritation develops.

First aid for inhalation:

Remove patient to fresh air. Administer oxygen if breathing is difficult. Get medical attention if symptoms persist.

First aid for ingestion:

Do NOT induce vomiting. Rinse mouth out with water, then sip water to remove taste from mouth. Never give anything by mouth to an unconscious person. If vomiting occurs spontaneously, keep head below hips (if sitting) or to the side (if lying down) to prevent aspiration. Get medical attention.

5. FIRE FIGHTING MEASURES

Extinguishing media:

☐ Water

☒ Carbon dioxide

☒ Dry chemical

☒ Foam

☐ Alcohol foam

Flash Point (°F): >400

Method: PMCC

Explosive limits in air (percent) -- Lower: n/d

Upper: n/d

Special firefighting procedures:

Material will not burn unless preheated. Do not enter confined space without full bunker gear. Firefighters should wear self-contained breathing apparatus and protective clothing. Cool fire exposed containers with water.

Unusual fire and explosion hazards:

Heating above 300 deg F in the presence of air may cause slow oxidative decomposition and above 500 deg F may cause polymerization. Personnel in vicinity and downwind should be evacuated.

Hazardous products of combustion:

When heated to decomposition it emits fumes of Cl⁻, carbon monoxide, other fumes and vapors varying in composition and toxicity.

6. ACCIDENTAL RELEASE MEASURES**Spill control:**

Avoid personal contact. Eliminate ignition sources. Ventilate area.

Containment:

Dike, contain and absorb with clay, sand or other suitable material.

Cleanup:

For large spills, pump to storage/ salvage vessels. Soak up residue with an absorbent such as clay, sand, or other suitable material and dispose of properly. Flush area with water to remove trace residue.

Special procedures:

Prevent spill from entering drainage/ sewer systems, waterways, and surface waters.

7. HANDLING AND STORAGE**Handling precautions:**

Avoid contact with skin, eyes, or clothing. Wash thoroughly with soap and water after using and particularly before eating, drinking, smoking, applying cosmetics, or using toilet facilities. Launder contaminated clothing and protective gear before reuse. Discard contaminated leather articles. Handle mixed resin and hardener in accordance with the potential hazard of the curing agent used. Provide appropriate ventilation/ respiratory protection against decomposition products (see Section 10) during welding/ flame cutting operations and to protect against silica dust during sanding/ grinding of cured product.

Storage:

Store in a cool, dry area away from high temperatures and flames. Keep containers closed when not in use.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION**Engineering controls****Ventilation :**

Use ventilation that is adequate to keep employee exposure to airborne concentrations below exposure limits (or to the lowest feasible levels when limits have not been established). Although good general mechanical ventilation is usually adequate for most industrial applications, local exhaust ventilation is preferred (see ACGIH - Industrial Ventilation). Local exhaust may be required for confined areas (see OSHA 1910.146).

Other engineering controls :

Have emergency shower and eye wash available.

Personal protective equipment**Eye and face protection:**

Chemical goggles if liquid contact is likely, or Safety glasses with side shields.

Skin protection:

Chemical-resistant gloves (i.e. butyl) and other gear as required to prevent skin contact.

Respiratory protection:

None needed in normal use with proper ventilation. In poorly ventilated areas use NIOSH approved organic vapor cartridges respirator for uncured resin, dust/ particle respirators during grinding/ sanding operations for cured resin, or

fresh airline respirator as exposure levels dictate (see OSHA 1910.134).

9. PHYSICAL AND CHEMICAL PROPERTIES

Specific gravity:	1.64	Boiling point (°F):	>500
Melting point (°F):	n/d	Vapor density (air = 1):	>1
Vapor pressure (mmHg):	0.03 mm Hg at 171 °F	Evaporation rate (butyl acetate = 1):	<<1
VOC (grams/liter):	< 1	Solubility in water:	Negligible
Percent volatile by volume:	0	pH (5% solution or slurry in water):	neutral
Percent solids by weight:	100		

10. STABILITY AND REACTIVITY

This material is chemically stable. Hazardous polymerization will not occur.

Conditions to avoid :

Open flame and extreme heat

Incompatible materials:

Strong Lewis or mineral acids, strong oxidizing agents, strong mineral and organic bases (especially primary and secondary aliphatic amines).

Hazardous products of decomposition:

Oxides of carbon; aldehydes, acids and other organic substances may be formed during combustion or elevated temperature (>500 deg F) degradation.

Conditions under which hazardous polymerization may occur:

Heat is generated when resin is mixed with curing agents; Run-a-way cure reactions may char and decompose the resin, generating unidentified fumes and vapors which may be toxic.

11. TOXICOLOGICAL INFORMATION

Acute oral effects: LD50 (rat): 11,400 mg/kg (DGEBA Resin)

Acute dermal effects: LD50 (rabbit): > 20 mg/kg (DGEBA Resin)
DGEBA: Draize -1.6 (rabbit)

Acute inhalation effects: LC50 (rat): No deaths in saturated air. (DGEBA Resin) Exposure: hours.

Eye irritation:

DGEBA: Draize - 2 (rabbit)

Subchronic effects:

No data available.

Carcinogenicity, teratogenicity, and mutagenicity:

1) **MUTAGENICITY:** Liquid resins based on diglycidyl ether of Bisphenol A (DGEBA), have proved to be inactive when tested by in vivo mutagenicity assays. These resins have shown activity in in vitro microbial mutagenicity screening and have produced chromosomal aberrations in cultured rat liver cells. The significance of these tests to man is unknown. 2) **CARCINOGENICITY:** Recent 2-year bioassays in rats and mice exposed by the dermal route to DGEBA yielded no evidence of carcinogenicity to the skin or any other organs. This study clarifies prior equivocal results from a 2-year mouse skin painting study, which were suggestive, but not conclusive, for weak carcinogenic activity. 3) The International Agency for Research on Cancer (IARC) concluded that DGEBA is not classifiable as a carcinogen (IARC group 3), that is human and animal evidence of carcinogenicity is inadequate. Also, crystalline silica has been shown to have in vitro mutagenic effects in mammalian cells. Trade secret diluent showed positive mutagenicity in vitro in the Salmonella/mammalian microsome assay with and without metabolic activation, and in the point mutation assay with mouse lymphoma cells.

Other chronic effects:

Prolonged or repeated skin contact may cause sensitization, with itching, swelling, or rashes on later exposure. Studies have shown bisphenol A diglycidyl ether resin to cause allergic contact dermatitis.

Toxicological information on hazardous chemical constituents of this product:

Constituent	Oral LD50 (rat)	Dermal LD50 (rabbit)	Inhalation LC50 4hr, (rat)
Crystalline silica	n/d	n/d	n/d
Bisphenol A diglycidyl ether resin	11.4 g/kg	>20 ml/kg	no deaths
Epoxy phenol novalac resin	> 5000 mg/kg	> 6000 mg/kg	> 1.7 mg/L
Inert filler	n/d	n/d	n/d

'n/d' = 'not determined'

12 ECOLOGICAL INFORMATION**Ecotoxicity:**

No data available.

Mobility and persistence:

No data available.

Environmental fate:

No data available.

13. DISPOSAL CONSIDERATIONS

Please see also Section 15, Regulatory Information.

Waste management recommendations:

If this resin becomes a waste, it would not be a hazardous waste by RCRA criteria (40CFR 261). Dispose of according to applicable federal, state, and local regulations. Incineration is the preferred method of disposal.

14. TRANSPORT INFORMATION

Proper shipping name: Non-regulated
Technical name : N/A
Hazard class : N/A
UN number: N/A
Packing group: N/A
Emergency Response Guide no.: N/A
IMDG page number: N/A
Other: N/A

15. REGULATORY INFORMATION**U.S. Federal Regulations****TSCA**

All ingredients of this product are listed, or are exempt from listing, on the TSCA inventory.

The following RCRA code(s) applies to this material if it becomes waste:

None

Regulatory status of hazardous chemical constituents of this product:

Constituent	Extremely Hazardous*	Toxic Chemical**	CERCLA RQ (lbs)	TSCA 12B Export Notification
Crystalline silica	No	No	0.0	Not required
Bisphenol A diglycidyl ether resin	No	No	0.0	Not required
Epoxy phenol novalac resin	No	No	0.0	Not required
Inert filler	No	No	0.0	Not required

*Consult the appropriate regulations for emergency planning and release reporting requirements for substances on the SARA Section 301 Extremely Hazardous Substance list.

**Substances for which the "Toxic Chemical" column is marked "Yes" are on the SARA Section 313 list of Toxic Chemicals, for which release reporting may be required. For specific requirements, consult the appropriate regulations.

For purposes of SARA Section 312 hazardous materials inventory reporting, the following hazard classes apply to this material: - Immediate health hazard -- Delayed health hazard -

Canadian regulations

WHMIS hazard class(es): D2B; D2A

Regulatory notes:

HMIRC claim registry number 4078 granted 3/19/99.

16. OTHER INFORMATION

**Hazardous Materials
Identification System (HMIS)
ratings:**

Health**2*****Flammability****1****Reactivity****1**

The information and recommendations in this document are based on the best information available to us at the time of preparation, but we make no other warranty, express or implied, as to its correctness or completeness, or as to the results of reliance on this document.

**The Clorox Company**

1221 Broadway
Oakland, CA 94612
Tel. (510) 271-7000

**Material Safety
Data Sheet**

I Product:		CLOROX REGULAR BLEACH
Description:		CLEAR, LIGHT YELLOW LIQUID WITH A CHARACTERISTIC CHLORINE ODOR
Other Designations	Distributor	Emergency Telephone Nos.
Clorox Bleach EPA Reg. No. 5813-50	Clorox Sales Company 1221 Broadway Oakland, CA 94612	For Medical Emergencies call: (800) 446-1014 For Transportation Emergencies Chemtrec (800) 424-9300

II Health Hazard Data	III Hazardous Ingredients		
<p>DANGER: CORROSIVE. May cause severe irritation or damage to eyes and skin. Vapor or mist may irritate. Harmful if swallowed. Keep out of reach of children.</p> <p>Some clinical reports suggest a low potential for sensitization upon exaggerated exposure to sodium hypochlorite if skin damage (e.g., irritation) occurs during exposure. Under normal consumer use conditions the likelihood of any adverse health effects are low.</p> <p>Medical conditions that may be aggravated by exposure to high concentrations of vapor or mist: heart conditions or chronic respiratory problems such as asthma, emphysema, chronic bronchitis or obstructive lung disease.</p> <p>FIRST AID:</p> <p>Eye Contact: Hold eye open and rinse with water for 15-20 minutes. Remove contact lenses, after first 5 minutes. Continue rinsing eye. Call a physician.</p> <p>Skin Contact: Wash skin with water for 15-20 minutes. If irritation develops, call a physician.</p> <p>Ingestion: Do not induce vomiting. Drink a glassful of water. If irritation develops, call a physician. Do not give anything by mouth to an unconscious person.</p> <p>Inhalation: Remove to fresh air. If breathing is affected, call a physician.</p>	<u>Ingredient</u>	<u>Concentration</u>	<u>Exposure Limit</u>
	Sodium hypochlorite CAS# 7681-52-9	6.15%	Not established
	Sodium hydroxide CAS# 1310-73-2	<1%	2 mg/m ³ ; ¹ 2 mg/m ³ ; ²
	¹ ACGIH Threshold Limit Value (TLV) - Ceiling		
	² OSHA Permissible Exposure Limit (PEL) - Time Weighted Average (TWA)		
	None of the ingredients in this product are on the IARC, NTP or OSHA carcinogen lists.		

IV Special Protection and Precautions	V Transportation and Regulatory Data
<p>No special protection or precautions have been identified for using this product under directed consumer use conditions. The following recommendations are given for production facilities and for other conditions and situations where there is increased potential for accidental, large-scale or prolonged exposure.</p> <p>Hygienic Practices: Avoid contact with eyes, skin and clothing. Wash hands after direct contact. Do not wear product-contaminated clothing for prolonged periods.</p> <p>Engineering Controls: Use general ventilation to minimize exposure to vapor or mist.</p> <p>Personal Protective Equipment: Wear safety glasses. Use rubber or nitrile gloves if in contact liquid, especially for prolonged periods.</p> <p>KEEP OUT OF REACH OF CHILDREN</p>	<p><u>DOT/IMDG/IATA</u> - Not restricted.</p> <p><u>EPA - SARA TITLE III/CERCLA:</u> Bottled product is not reportable under Sections 311/312 and contains no chemicals reportable under Section 313. This product does contain chemicals (sodium hydroxide <0.2% and sodium hypochlorite <7.35%) that are regulated under Section 304/CERCLA.</p> <p><u>TSCA/DSL STATUS:</u> All components of this product are on the U.S. TSCA Inventory and Canadian DSL.</p>

VI Spill Procedures/Waste Disposal	VII Reactivity Data
<p>Spill Procedures: Control spill. Containerize liquid and use absorbents on residual liquid; dispose appropriately. Wash area and let dry. For spills of multiple products, responders should evaluate the MSDS's of the products for incompatibility with sodium hypochlorite. Breathing protection should be worn in enclosed, and/or poorly ventilated areas until hazard assessment is complete.</p> <p>Waste Disposal: Dispose of in accordance with all applicable federal, state, and local regulations.</p>	<p>Stable under normal use and storage conditions. Strong oxidizing agent. Reacts with other household chemicals such as toilet bowl cleaners, rust removers, vinegar, acids or ammonia containing products to produce hazardous gases, such as chlorine and other chlorinated species. Prolonged contact with metal may cause pitting or discoloration.</p>

VIII Fire and Explosion Data	IX Physical Data
Flash Point: None Special Firefighting Procedures: None Unusual Fire/Explosion Hazards: None. Not flammable or explosive. Product does not ignite when exposed to open flame.	Boiling point.....approx. 212°F/100°C Specific Gravity (H ₂ O=1).....~ 1.1 at 70°F Solubility in Watercomplete pH~11.4

/ 1963, 1991 THE CLOROX COMPANY
DATA SUPPLIED IS FOR USE ONLY IN CONNECTION WITH OCCUPATIONAL SAFETY AND HEALTH DATE PREPARED 05/09



MATERIAL SAFETY DATA SHEET

MSDS: FH/C/2003/BCWT-5RYR49

Issue Date: November 1, 2005

Supersedes: N/A

Issue Date: N/A

SECTION I - CHEMICAL PRODUCT

Identity: **Liquid Cleaner**Brands: **COMET Cleaner with Bleach (Professional Line)**

Hazard Rating:

Health: 1

4=EXTREME

Flammability: 0

3=HIGH

Reactivity: 0

2= MODERATE

1=SLIGHT

Emergency Telephone Number: 1-800-332-7787 or call Local Poison Control Center

SECTION II - COMPOSITION AND INGREDIENTS

Ingredients/Chemical Name: Water (7732-18-5), sodium hydroxide (1310-73-2), sodium hypochlorite (7681-52-9), sodium salt (142-31-4 & 151-21-3), surface safety agent and perfume.

This mixture, when tested as a whole, is considered an eye irritant within the meaning of the OSHA Communication Standard

Hazardous Ingredients as defined by OSHA, 29 CFR 1910.1200.

<u>Chemical Name</u>	<u>Common Name</u>	<u>CAS No.</u>	<u>Recommended Limits</u>	<u>Composition Range</u>	<u>LD50/LC50</u>
Sodium hypochlorite	Bleach	7681- 52-9	ACGIH STEL: 2mg/m ³	0. 5-1.5%	
Sodium hydroxide	Caustic soda	1310-73-2	ACGIH STEL: 2 mg/m ³ OSHA PEL: 2 mg/m ³	0.1-1%	

SECTION III - HAZARDS IDENTIFICATION

Health Hazards (Acute and Chronic):

Ingestion: May cause mild , transient gastrointestinal irritation with nausea, vomiting or diarrhea

Eye Contact: May cause mild, transient irritation with stinging and tearing similar to that caused by other detergents.

Skin: May be irritating to skin. May further irritate already irritated or extremely dry skin.

Inhalation: Mild mucous membrane irritant.

SECTION IV - FIRST AID INFORMATION

Emergency and First Aid Procedures:

Ingestion: Drink 1 or 2 large glasses of water. If large amounts are ingested, call a physician.

Eye Contact: Flush with large amounts of water for at least 15 minutes.

Skin: Wash exposed area thoroughly area with soap and water and discontinue use. Remove contaminated clothing.

Inhalation: Leave the area

Other: Product package has a caution statement: CAUTION: KEEP OUT OF REACH OF CHILDREN. May cause eye irritation. EYE IRRITANT: Avoid contact with eyes. May be irritating to skin. For sensitive skin or prolonged use, wear gloves. Do not mix with other cleaning products as irritating fumes may be released. In case of eye contact, flush thoroughly with water. If swallowed, drink a glass of water to dilute. Call a physician immediately.

SECTION V - FIRE FIGHTING INFORMATION

Flash Point (Method Used): over 200°F (cc) **Explosive Limits:** *LEL:* N/A *UEL:* N/A
Extinguishing Media: CO₂, water, dry chemical or “alcohol” foam
Special Fire Fighting Procedures: Use water to keep fire exposed container cool.
Unusual Fire Hazards: None known.

SECTION VI - ACCIDENTAL RELEASE MEASURES

Personal Precautions: None

Environmental Precautions: DISPOSAL IS TO BE PERFORMED IN COMPLIANCE WITH ALL FEDERAL, STATE AND LOCAL REGULATIONS. Undiluted waste from this product is RCRA “Corrosive” D002 classification. Check pH before sewerage. pH trim may be necessary if waste has a pH of 12.5 or above. Do not landfill.

Steps To Be Taken in Case Large Quantities of Material are Released or Spilled: Contain the spill. Try to prevent large quantities from reaching waterway or sewer. Use water spray or dilute and/or wash away spills to avoid exposure and to protect persons working to stop/repair leak. Dispose of resulting waste as appropriate (check pH).

SECTION VII - HANDLING AND STORAGE

Precautions To Be Taken in Handling and Storing: Handling and storage must be well ventilated, cool, and dry. Store product away from potential sources of ignition. Fire fighting equipment must be available at all times.

Other Precautions: Keep away from heat/sparks and open flame..

SECTION VIII - EXPOSURE CONTROLS, PERSONAL PROTECTION

Respiratory Protection (Specify Type): None required with normal use.

Ventilation General

Eye Protection: None required with normal use.

Manufacturing Setting: For splash protection, use chemical goggles. Eye wash fountain is desirable.

Protective Gloves: None required with normal use.

Other Protective Equipment: None required with normal use.

SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point °F: N/A

Specific Gravity (H₂O=1): 1.030-1.045

Vapor Pressure (mm Hg): N/A

Percent Volatile by Volume (%): N/A

Vapor Density (Air=1): N/A

Evaporation Rate (nBuOAc=1): N/A

Coefficient of Water/Oil Distribution: N/A

Freezing Point: N/A

Appearance and Odor: Clear liquid

pH (100%): 13

Product is perfumed.

Solubility in Water: Completely

Reserve Alkalinity: N/A

SECTION X - STABILITY AND REACTIVITY**Possible Hazardous Reactions/Conditions/By Products:** None known**Conditions to Avoid:** None**Materials to Avoid:** Do not mix with other products, especially toilet bowl cleaners, acidic cleaners or products that contain ammonia.**Hazardous Decomposition Products:** None known**Other Recommendations:** None**Stability:** Stable**Hazardous Polymerization:** Will not occur**SECTION XI - TOXICOLOGICAL INFORMATION**

LD50 (rats oral): >6.5 g/kg

Comet Cleaner with Bleach has a relatively low order of toxicity. It may be irritating, but it is not expected to be corrosive. It is expected to be emetic.

SECTION XII - ECOLOGICAL INFORMATION

No environmental concerns.

SECTION XIII - DISPOSAL CONSIDERATIONS**Waste Disposal Method:** DISPOSAL IS TO BE PERFORMED IN COMPLIANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS. Undiluted waste from this product is RCRA "Corrosive" hazardous if pH is 12.5 or more. Check pH before deciding on the route of disposal. Hazardous waste treatment to reduce the pH may become necessary prior to disposal. Do not landfill.**SECTION XIV - TRANSPORT INFORMATION****DOT Classification:** Comet Cleaner with Bleach is not DOT hazardous in packages as sold. Bulk product shipments are classified as Class 9 Hazardous Substance with a shipping name of Environmentally hazardous substance, liquid n.o.s.**SECTION XV - ADDITIONAL REGULATORY INFORMATION**

All components are listed on the US TSCA Inventory.

No components of Comet Cleaner with Bleach are subject to California Proposition 65.

EPA CERCLA TITLE III

<u>Chemical Name</u>	<u>CERCLA304 RQ (LBS)</u>	<u>311/312</u>	<u>313</u>
Sodium hypochlorite	100	no	no
Sodium hydroxide	1000	no	no

All ingredients are CEPA approved for import to Canada by Procter & Gamble. This product has been classified with Hazard Criteria of the Canadian Control Products Regulation (CPR) and this MSDS contains all information required by the Canadian Products Regulation.

SECTION XVI - OTHER INFORMATION

*N/A. - Not Applicable

*N/K. - Not Known

The submission of this MSDS may be required by law, but this is not an assertion that the substance is hazardous when used in accordance with proper safety practices and normal handling procedures. Data supplied is for use only in connection with occupational safety and health.

The information contained herein has been compiled from sources considered by Procter & Gamble to be dependable and is accurate to the best of the Company's knowledge. The information relates to the specific material designated herein, and does not relate to the use in combination with any other material or any other process. Procter & Gamble assumed no responsibility for injury to the recipient or third persons, for any damage to any property resulting from misuse of the controlled product.



The Procter & Gamble Company
P&G Household Care
Fabric & Home Care Innovation Center
5299 Spring Grove Avenue
Cincinnati, OH 45217-1087

MATERIAL SAFETY DATA SHEET

MSDS #: N/A
Supersedes: N/A

Issue Date: 3/20/06
Issue Date: 6/01

SECTION I - CHEMICAL PRODUCT

Identity: Disinfectant Powder Cleanser

Finished Product

Brands: COMET Disinfectant Cleanser with Chlorinol (Professional Line)

P&G Telephone Number: 1-800-332-7787 or call Local Poison Control Center or your physician.

SECTION II - COMPOSITION AND INGREDIENTS

Ingredients/Chemical Name: Bleach, cleaning agents (calcium carbonate, sodium carbonate, anionic surfactants), quality control agents, perfume, color. Comet Disinfectant Cleanser with Chlorinol contains no phosphorus.

Hazardous Ingredients as defined by OSHA, 29 CFR 1910.1200. and/or WHMIS under the HPA:

<u>Chemical Name</u>	<u>Common Name</u>	<u>CAS No.</u>	<u>Composition</u> <u>Range</u>	<u>LD50/LC50</u>
Calcium carbonate	Limestone	1317-65-3	60-88%	NA/NA

SECTION III - HAZARDS IDENTIFICATION**Potential Health Hazards (Acute and Chronic):** (See Section 11 for more information)

Ingestion: Mild mucous membrane irritant. May result in gastrointestinal irritation with nausea, vomiting and diarrhea.

Eye Contact: Mild eye irritant. Direct contact with eye may result in superficial, temporary irritation similar to those produced by other household detergents.

Skin: Mild skin irritant. Prolonged skin contact or direct contact with eye may result in superficial, temporary irritation similar to those produced by other household detergents.

Inhalation: Mild respiratory irritant. Unusually high exposures may cause coughing or irritation of nose and throat.

Signs and Symptoms of Exposure:

Ingestion: Ingestion of larger amounts leads to emesis.

Eye Contact: Stinging and burning of eyes can occur unless flushed immediately with water.

Skin Contact: Mild irritation is possible with prolonged contact.

Inhalation: Dust irritation is possible.

Medical Conditions Generally Known to be Aggravated by Exposure: None known.

Potential Environmental Effects: (See Section 12 for more information)**SECTION IV – FIRST AID INFORMATION****First Aid Procedures:**

Ingestion: Dilute with fluids and treat symptomatically.

Eye Contact: For accidental eye contact, flush thoroughly with water for 15 minutes.

Skin: Wash with soap and water and discontinue use.

Inhalation: For accidental, high level inhalation, remove to fresh air. Get medical attention if coughing persists.

Note to Physician: (if applicable)

Other: Product package has a caution statement: CAUTION: KEEP OUT OF REACH OF CHILDREN. May cause eye irritation. In case of eye contact, flush thoroughly with water. If irritation persists, see a physician. If swallowed, drink a glass of water to dilute. Do not mix with other products especially toilet bowl cleansers and products that contain ammonia.

SECTION V - FIRE FIGHTING INFORMATION

Flash Point (Method Used): N/A

Flammable Properties:

Upper Flammable Limit:

Lower Flammable Limit:

Explosive Limits: UEL: N/A LEL: N/A

Auto-ignition Temperature:**Hazardous Combustion Products:****Explosion Data (Sensitivity to Mechanical Impact):****Explosion Data (Sensitivity to Static Discharge):****Extinguishing Media:**

Suitable: Use CO₂, water, or dry chemical.

Unsuitable: None known.

Protection of Firefighters:

Specific Hazards Arising from the Material: None known.

Protective Equipment and Precautions for Firefighters: Normal firefighting gear.

SECTION VI - ACCIDENTAL RELEASE MEASURES

Personal Precautions: Recommendation is to wear gloves for handling/cleanup, and dust masks if considerable dust is airborne.

Environmental Precautions: DISPOSAL IS TO BE PERFORMED IN COMPLIANCE WITH ALL FEDERAL, STATE AND LOCAL REGULATIONS. Product contains biodegradable surfactant. If permitted, flush small quantities down sewer drain with large excess of water or dispose of at landfill.

Methods for Containment:

Methods for Cleanup: Vacuum to remove spill and place in trash container for disposal or flush with water. Do not dry sweep.

Other Information: (if applicable)

SECTION VII – HANDLING AND STORAGE

Precautions To Be Taken in Handling: Keep product dry.

Precautions To Be Taken in Storage: Avoid moisture when storing to prevent loss of bleaching action and to prevent caking.

SECTION VIII - EXPOSURE CONTROLS, PERSONAL PROTECTION

Exposure Guidelines: N/A

Engineering Controls: N/A

Personal Protective Equipment (PPE):

Eye/Face Protection: None required with normal use. For splash protection, use chemical goggles.

Skin Protection: Protective gloves (rubber, neoprene) should be used for prolonged direct contact.

Respiratory Protection: None required with normal use. For bulk handling or other dusty conditions, use respiratory protection approved by NIOSH for dust.

SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

Appearance (color, physical form, shape): Green powder.

Flash Point (Method Used): N/A

Odor: Cedar pine scent.

Reserve Alkalinity: N/A

Odor Threshold:

Solubility in Water: Moderately

Physical State: Powder

Decomposition Temperature: N/A

Vapor Pressure (mm Hg): N/A

Evaporation Rate (nBuOAc=1): N/A

Vapor Density (Air=1): N/A

Specific Gravity/Density: ca. 1

Boiling Point: N/A

Melting/Freezing Point: N/A

Partition Coefficient (n-octanol/water): N/A

pH (specify % solution): N/A

SECTION X - STABILITY AND REACTIVITY

Chemical Stability: Stable

Conditions to Avoid: None known.

Incompatible Materials: Ammonia and acids

Hazardous Decomposition Products: Chlorine gas

Possibility of Hazardous Reactions: None known.

SECTION XI - TOXICOLOGICAL INFORMATION

Calcium carbonate, an ingredient of this product, contains small amounts of crystalline silica (quartz) as a naturally occurring impurity. Prolonged, excessively high exposures to respirable crystalline silica may result in reduced lung function in some individuals. IARC has found sufficient evidence to classify crystalline silica as a carcinogen in animals, but there is limited evidence in humans.

LD50 (rats oral): 9 g/kg

ED50: 0.23 g/kg

Product as a whole:

CARCINOGENICITY: None known

SENSITIZATION EFFECTS: None known

REPRODUCTIVE EFFECTS: None known

SYNERGISTIC EFFECTS: None known

SECTION XII - ECOLOGICAL INFORMATION

No concerns at relevant environmental levels.

SECTION XIII - DISPOSAL CONSIDERATIONS

Waste Disposal Method: DISPOSAL IS TO BE PERFORMED IN COMPLIANCE WITH FEDERAL, STATE/PROVINCIAL AND LOCAL REGULATIONS. Product contains biodegradable surfactant. If permitted, flush small quantities down sewer drain with large excess of water or dispose of at landfill.

Household Use: Household quantities may be disposed of via sewer.

Industrial Setting: Dry product can be landfilled if local restrictions allow.

SECTION XIV - TRANSPORT INFORMATION

Ground Transport (DOT): The finished packaged product is non hazardous under DOT.

Air Transport (IATA): The finished packaged product is not regulated for IATA.

Marine/Water Transport (IMDG): The finished packaged product is not regulated for IMDG.

SECTION XV - ADDITIONAL REGULATORY INFORMATION

All intentionally-added components of this product are listed on the US TSCA Inventory.

This product is not subject to warning labeling under California Proposition 65.

All ingredients are CEPA approved for import to Canada by Procter & Gamble.

This product has been classified in accordance with the hazard criteria of the Canadian *Controlled Products Regulations* and the MSDS contains all information required by the *Controlled Products Regulations*.

SECTION XVI - OTHER INFORMATION

P&G Hazard Rating:	Health: 1	4=EXTREME
	Flammability: 0	3=HIGH
	Reactivity: 0	2=MODERATE
		1=SLIGHT
		0=NOT SIGNIFICANT

*N/A. - Not Applicable

*N/K. - Not Known

Data supplied is for use only in connection with occupational safety and health.

The information contained herein has been compiled from sources considered by Procter & Gamble to be dependable and is accurate to the best of the Company's knowledge. The information relates to the specific material designated herein, and does not relate to the use in combination with any other material or any other process. Procter & Gamble assumed no responsibility for injury to the recipient or third persons, for any damage to any property resulting from misuse of the controlled product.

Material Safety Data Sheet (MSDS)

Page 1 of 6

American National Standard ANSI Z400-1-2004;

Date Prepared: April 15, 2005

Section 1 Chemical Product and Company Identification

Identity: Corroseal® Rust Converter and Copolymer Metal Primer

Globally Harmonized Tariff Classification Code (GHS): 3810.10

Manufacturers Name:	Joan T. Geiger Enterprises, Inc.	Emergency Telephone Number
	Corroseal Division	800-237-1573
Address:	P.O. Box 788	Information Telephone Number
	Coupeville, Washington	M-Sat 6:00 AM- 3:00 PM Pacific Time
	98239 U.S.A.	(10) (360) 678-1905
	www.corroseal.com	E-mail: info@corroseal.com

Section 2 - Hazards Identification

Appearance and Odor:	Thin milky white / beige liquid with mild odor.
Fire and Explosion Hazards:	NONE - NONFLAMMABLE
Oxidizer Hazards:	NONE
Reactivity Hazards:	NONE
Pressurized Container:	NONE
Toxic or Poisonous:	NONE
Danger When Inhaled:	NONE - non corrosive, non depressant, no respiratory hazard.
Skin or Eye Irritation:	
Cause Burns:	Skin-Acute contact may cause irritation. Prolonged contact may cause burns. Chronic exposure may cause dermatitis.
Ingestion:	May cause headache, nausea, abdominal pains. Call a physician. Vomiting may be induced if there is no danger of aspiration.
Eye contact:	May cause irritation and redness.
First aid:	Chronic exposure may cause conjunctivitis. Eyes; Flush with fresh water for at least 30 minutes. Skin; Wash with soap and water. Remove wetted clothing.

Section 3: Composition / Information On Ingredients

Hazardous Components:	NONE
Chemical Abstract Service (CAS)	
Registry numbers:	NONE

Section 4: First Aid Measures

Route(s) of Entry-	Inhalation? Yes as a mist. Skin - Yes Ingestion - Yes
Health Hazards:	Skin-Acute contact may cause irritation. Prolonged contact may cause burns. Chronic exposure may cause dermatitis.
	Ingestion may cause headache, nausea, abdominal pains.
Eye contact:	May cause irritation and redness. Chronic exposure may cause conjunctivitis.
Carcinogenicity:	NTP - No
IARC Monographs -	No
OSHA Regulated-	No

Control Measures:

Respiratory Protection :	Not Required for most conditions. Use mist respirator in enclosed areas.
Ventilation	
Local Exhaust-	Not Required
Special Measures-	Not Required
Mechanical-	Not Required
Other control measures:	Not Required
Protective Gloves-	Use rubber gloves.
Eye Protection-	Use chemical splash goggles
Other Protective Clothing or Equipment-	Wear body covering clothing.
Work/Hygienic Practices:	Wash hands/exposed skin after use. Remove contaminated or wetted clothing.

Section 5: Fire Fighting Measures (See also Section 9: Physical and Chemical Properties)

Flammable properties:

Unusual Fire

and Explosion Hazards:

Extinguishing Media -

NONE - NON-FLAMMABLE
Latex emulsion - Not Flammable-
Dry latex use water fog.

Special Fire Fighting Procedures - None

Extinguishing Media:

Protection of Firefighters:

Specific hazards arising from the chemical:

Hazardous Decomposition

or byproducts:

Hazardous Polymerization:

Standard protective equipment and precautions.
Carbon monoxide, organic acids and aldehydes.
Will Not Occur

Section 6: Accidental Release Measures

Personal precautions:

Avoid wetting clothing or excessive handling of
wetted absorbent materials. Use rubber gloves.
See Section 4: First Aid Measures - Control measures.

Methods of containment:

Small spills-

Large spills-

Pick up with absorbent material and place in drum
for disposal.
Divert to a holding area and let dry. Allow to dry and
dispose of as non hazardous waste.

Methods for clean-up:

Clean up equipment and spills with soap and water
before product dries. Remove dry spatter with
lacquer thinner.

Other information:

No accidental release reporting is required.

There is a general need for Personal Protective Equipment (PPE). See Section 8 Exposure Controls/Personal Protection for instructions.

Section 7: Handling and Storage

Handling:

Do not splash or spill Corroseal® when pouring into
plastic bucket or pan while preparing to apply. Avoid
contact with skin and eyes. Avoid wetting clothing.

Spray only through clean, properly maintained compressor, air tanks, hoses, regulators and nozzles. Brushes or rollers should be clean and dry as wet applicators will dilute initial applications. Remove wet clothing. Wash thoroughly after use.

Storage:

Store between 3° C (38° F) and 41° C (105° F). Avoid direct sunlight. Shelf life 2 years. Keep from freezing. Discard Corroseal® after freezing and after being stored in excessive heat. Store in closed nonmetallic containers. Do not return unused Corroseal® into storage containers, to avoid converting unused material.

Section 8: Exposure Controls / Personal Protection

Exposure guidelines: Hazardous Components-(Specific Chemical Identity, Common Name(s))
OSHA PEL N.E. ACTIH TLY N.E. Other Limits % N.E.
(N.E. - Not Established)

Engineering controls: No specific controls are needed to control exposures.
Ventilation controls: None required.

Personal protective equipment (PPE) - normal use and handling where the exposure potential has been determined:

Respiratory Protection :	Not Required for most conditions. Wear OSHA specified respirator in enclosed areas.
Protective Gloves-	Use rubber gloves.
Eye Protection-	Use chemical splash goggles
Other Protective Clothing or Equipment-	Wear body covering clothing.

Work/Hygienic Practices: Wash hands/exposed skin after use.
Remove contaminated or wetted clothing.

Personal protective equipment (PPE) - reasonable foreseeable use or misuse (e.g.-emergency situations) where the potential for exposure is not well defined:

Full fire fighting universally requires full respiratory protection (SCBA) and full fire fighting turnout gear (Bunker gear) to protect the wearer from a variety of hazards.

Corroseal® is normally applied onto steel and aged paint which may contain hazards, or have equipment, machinery or other materials associated with corrosion coating protection systems, including engines, fuels, rubber, plastics, etc. requiring hazard protection.

Eye/face protection:
Eye protection Use chemical splash goggles in enclosed area and where blast-back can occur, or where wind can cause exposure or where working overhead.

Skin protection: Wear chemical resistant clothing including rubber gloves, boots, nonabsorbent whole body suits appropriate to coatings applications, as indicated by the sites exposure potential of associated equipment, used in applying Corroseal® and weather.

Respiratory Protection: Not Required for most conditions. Use OSHA specified respirator in enclosed areas and when spraying, where blast-back can occur, or where wind can cause exposure.

General hygiene considerations:

There are no known hazards associated with this material when used as recommended. The following general hygiene considerations are recognized as common good industrial practices.

While Corroseal® may present no obvious hazard to health or environment, there are some general hygiene considerations that are practiced by industry and are generally applicable to industrial situations. such considerations may include;

Avoid breathing vapor or dust.
Avoid contact with eyes and skin.
Wash thoroughly after handling and before eating and drinking.

If you scrape, sand, or remove rust or old paint, you may release lead dust. Lead is toxic. Exposure to lead dust can cause serious illness, such as brain damage, especially in children. Pregnant women should also avoid exposure. Wear a NIOSH-approved respirator to control lead exposure. Clean up carefully with a HEPA vacuum and a wet mop. Before you start, find out how to protect yourself and your family by contacting the National Lead Information Hotline at 1-800-424-LEAD or log on to www.epa.gov/lead.

These general hygiene considerations are not material specific. They are placed here to avoid diminishing the importance of the material specific recommendations.

Section 9: Physical and Chemical Properties

Appearance:	Thin, milky white/beige liquid
Odor:	Mild odor.
Odor threshold:	Not Available
Physical state:	Water based liquid
pH	3.0
Freezing point:	32 degrees F. (0° C)
Boiling Point	212° F (100° C)
Boiling range	Not Available
Flash Point	Over 200°F(tcc) (Over 93° C)
Evaporation Rate	Not Available
Flammability	Not Flammable
Upper/lower flammability or explosive limits	Not Applicable
Vapor Pressure	Not Applicable
Vapor Density	Not Applicable
Specific Gravity (H2O=1)	1.02
Solubility in Water	100% Dispersible
Partition coefficient: n-octanol/water	Not Available
Auto-ignition temperature	Not Available
Decomposition temperature	Not Available
Volatile organic compounds	
VOC (ASTM D3960)	60 gms/L
Viscosity (Brookfield LVF#2 spindle 60rpm)	300 cps

Section 10: Stability and Reactivity

Chemical stability: Stability under normal ambient temperature and pressure or anticipated storage and handling conditions.

Stable X

Conditions to Avoid:

None

Incompatibility (Materials to Avoid) with which the product could react to produce a hazardous situation: Alkalis, ammonia, iron compounds, oxidizing agents.

Hazardous decomposition products: None.

See Section 7: Handling and Storage for appropriate proper handling and storage.

Section 11: Toxicological Information

Not Available

See Section 2 - Hazards Identification and Section 6: Accidental Release Measures.

Section 12: Ecological Information

Not Available

See Section 2 - Hazards Identification and Section 6: Accidental Release Measures.

Section 13: Disposal Considerations

Waste Corroseal® latex primer may be allowed to dry and disposed of as a non hazardous solid waste. Waste used brushes or rollers may be allowed to dry and disposed of as solid waste.

Section 14. Transport information

Department of Transportation (DOT) Classification: 55 - No Shipping Restrictions.
May be shipped or sent by U.S. Postal mail as a non hazardous liquid.

Section 15: Regulatory Information

Global Inventories

TSCA: United States Included

DSL: Canada Included

ECL: Korea Included

PICCS: Philippines Included

ENCS: Japan Included

AICS: Australia Included

IECS: China Included

EINECS: European Union Included

TRI Reporting:

SARA Title III	none
40 CFR 372	none
OSHA 29 CFR 1910	none
EPA-CEPPO	none
EPCRA	none
RCRA	none
RMP	none

California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65)
This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins under California Proposition 65 at levels which would be subject to the proposition.

Section 16: Other Information

NFPA 704: National Fire Protection Association

Health - 1 Fire - 0 Reactivity - 0

0 = minimal hazard, 1 = slight hazard, 2 = moderate hazard, 3 = severe hazard, 4 = extreme hazard

Corroseal® container label text:

1. See www.corroseal.com for SURFACE PREPARATION & APPLICATION SPECIFICATIONS.

2. Solvent wipe to remove heavy grease, wax, soot, and oil deposits. Do NOT use Mineral Spirits or Acetone. Rinse surface with clearwater after cleaning to remove solvent residue. Wire brush, needle gun or pressure wash to remove loose rust, plate rust, mill scale and flaky paint. Corroseal® primes tight rust and aged tight paint. Use mineral salts remover where appropriate.

WARNING! If you scrape, sand, or remove old paint, you may release lead dust. LEAD IS TOXIC. EXPOSURE TO LEAD DUST CAN CAUSE SERIOUS ILLNESS, SUCH AS BRAIN DAMAGE, ESPECIALLY IN CHILDREN. PREGNANT WOMEN SHOULD ALSO AVOID EXPOSURE. Wear a NIOSH-approved respirator to control lead exposure. Clean up carefully with a HEPA vacuum and a wet mop. Before you start, find out how to protect yourself and your family by contacting the National Lead Information Hotline at 1-800-424-LEAD or log on to www.epa.gov/lead.

3. DO NOT THIN. Stir Corroseal® until it is creamy white/tan, uniform in color. Apply when air temperature is between 45°F and rising or 100°F and falling (5°C-37.7°C). Do Not Apply within 4 hours of precipitation.

4. Apply Corroseal® to dry or near-dry surface in a heavy white coat with no surface show-through at 8-10 Mills wet film thickness (200- 250 Micron). Spray with #19-21 tip or use brush or roller. Always do a test patch first.

5. When black color appears, rust conversion has started. If gray color appears, apply more Corroseal® while still tacky. Brown color and/or spots indicate chemical contamination - remove the Corroseal® and repeat steps 1-4. Corroseal® dries transparent over paint and other non-rusted surfaces.

6. CURE FOR 24 HOURS BEFORE APPLYING INTERMEDIATE TIE COAT OR TOPCOAT. Requires adequate ventilation throughout cure time to remove moisture inside structures, vessels, ballast tanks, etc.

7. Cleans up with soap and water. Remove dried spatter by using lacquer thinner.

8. Apply intermediate tie coat or topcoat onto Corroseal® within 30 days of Corroseal's cure. Apply tie coat or topcoats according to manufacturer's directions. Do not thin beyond manufacturers recommendations. Corroseal® bonds well with oil based enamel, alkyd, vinyl, epoxy, coal tar, urethane topcoats. Always do a test patch to confirm compatibility. With water-based topcoats, consult manufacturers data. Water based topcoats subject to tannin staining require an intermediate oil-based stain blocker.

9. Limitations: For Surface Preparation; Do NOT use Acetone or Mineral Spirits. TEST over zinc base coatings as some galvanizing rejects Corroseal® chemistry. Corroseal® on chromate treated (pickled) steel is to remain dry until top coated. Immersion service requires appropriate intermediate tie-coat between Corroseal® and anti-fouling or immersion service-approved topcoat.

WARRANTY: Sellers liability is limited to the replacement or refund of purchase price upon return of unused portion with proof of purchase. Product is intended for use by persons having skill and know-how, at their discretion and risk. Seller assumes no responsibility for results obtained or damages incurred from product use by Buyer whether as recommended herein or otherwise. Determination of appropriateness and suitability for specific applications is the sole responsibility of the Buyer and Applicator.

CAUTION: CONTAINS STYRENE BUTADIENE COPOLYMER RESIN (LATEX). AVOID CONTACT WITH SKIN AND EYES. IN CASE OF CONTACT, FLUSH IMMEDIATELY WITH PLENTY OF WATER. IF IRRITATION CONTINUES, CALL A PHYSICIAN. IF SWALLOWED, INDUCE VOMITING AND CALL A PHYSICIAN.

KEEP OUT OF REACH OF CHILDREN. KEEP FROM FREEZING. NO SHIPPING RESTRICTIONS. MADE IN USA. VOC Compliant, 60 grams/liter. 8 oz/gallon

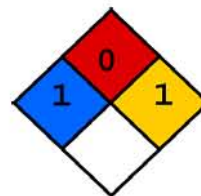
Preparation and Revision Information:

This document is revised April 14, 2005, to incorporate ANSI MSDS specifications, as a larger body of data from that specified by OSHA.

For Product Data and Technical Data including SURFACE PREPARATION SPECIFICATIONS and APPLICATION GUIDES, see the appropriate PDF documents available on the web page www.corroseal.com for the product Corroseal® Rust Converter Primer.

Disclaimer: The data and comments presented here are intended as an aid for reference to the required OSHA documentation of OSHA MSDS requirements. See www.corroseal.com for product MSDS that is OSHA compliant. The information contained in this document applies to this specific material as supplied. It may not be valid for this material if it is used in combination with any other materials. It is the user's responsibility to satisfy oneself as to the suitability and completeness of this information for his own particular use.

LEAR CHEMICAL RESEARCH CORP.
P.O. Box 1040 Station B - Mississauga, Ontario L4Y 3W3



1	HEALTH
0	FLAMMABILITY
1	REACTIVITY
0	PROTECTIVE EQUIPMENT

MATERIAL SAFETY DATA SHEET

Emergency Telephone Number: 800-256-2548 (day) 905-890-3466 (night) Fax Number: 905-564-7077
Poison Control Center: Poisons Alert System
Dangerous Goods Emergency: CANUTEC 613-996-6666 & CCOHS 905-572-2981

SECTION I - PRODUCT IDENTIFICATION & USE

Product Name: CORROSION BLOCK® NON-FLAMMABLE AEROSOL
Product Code: 20012
Company ID: Manufacturer-Lear Chemical Research Corp.
Application: CORROSION BLOCK® is an industrial product designed to prevent and treat corrosion on ferrous and non-ferrous metals, protect electronic equipment, and to lubricant/penetrate mechanized parts.

SECTION II - COMPOSITION

Chemical Composition: Corrosion Block is a proprietary blend of ultra pure synthetic and organic Hydrocarbons. Toxicology testing has been performed as a complete complex mixture (prior to aerosolizing) and is considered non-toxic by EPA /OECD guidelines.

SECTION III - HAZARDOUS COMPONENTS

Chemical Names:	CAS #	OSHA/ACGIH	% vol
Corrosion Block	NA	5 mg/m ³ (TWA) oil mist	90-95
Tetrafluoroethane 1,1,1,2 (propellant)	811-97-2	PEL/TLV None established 1000 ppm TWA (suggested)	5-10

SECTION IV- PHYSICAL/ CHEMICAL CHARACTERISTICS

Boiling Point: >212 F ° (aerosol concentrate)	Specific Gravity (H ₂ O=1): .92
Vapor Pressure: NA	Melting Point (Deg F): not applicable
Vapor Density: Heavier than air (Air=1)	Evaporation Rate: Slower (Butyl acetate=1)
Solubility: Slight emulsification with H ₂ O	Odor: Fresh Scent
Appearance: Turquoise Aerosol Liquid	pH: neutral

SECTION V- FIRE AND EXPLOSION HAZARD DATA

Product:	Non-flammable Aerosol	Auto-ignition Temp.	>410 F°
Flash Point:	Flame extension 0 cm.		
Flammable Limits:	Not applicable		
Extinguishing Media:	Use media appropriate for surrounding material.		
Fire Fighting Procedures:	Cool containers with water spray to prevent pressure build-up, auto-ignition or explosion. Self Contained Breathing Apparatus (SCBA) may be required if containers rupture under thermal conditions.		
Fire Explosion Hazards:	Aerosol cans are an explosion risk when exposed to fire.		
Fire Hazard Identification:	NFPA NPCA-HMIS	Health -1	Flammability-0 Reactivity-1

SECTION VI - REACTIVITY DATA

Stability:	Stable
Incompatibility:	Avoid Oxidizing materials (Liquid or compressed oxygen, peroxides, chlorine), strong alkalis.
Hazardous Decomposition:	Thermal conditions produce normal products of combustion including: Hydrogen fluoride, Carbon Oxides (CO- CO ₂), Nitrogen oxides (NO ₂ -NO), Sulfur oxides (SO ₂ -SO ₃)
Polymerization:	Will not occur

SECTION VII - TOXICOLOGICAL PROPERTIES

Corrosion Block Liquid has been tested (oral, eye, dermal) as a complete mixture and is considered "Non Toxic" according to EPA/OECD and FHSA guidelines.

Primary Routes of entry:

Acute Oral: LD50 > 5000 mg/kg

Acute Dermal: LD50 > 5000 mg/kg

Acute Eye: LC50 > 5000 mg/kg

Acute Vapor LC50 > 5000 ppm -Rat-Aliphatic hydrocarbon

(est) LC50 > 5000 ppm -Rat-Petroleum distillate

Tetrafluoroethane 1, 1, 1, 2

Acute Dermal: None determined

Acute Eye: None determined

Carcinogenicity: Corrosion Block Ingredients:
Tetrafluoroethane 1,1,1,2:

Acute Inhal. LC50 > 500,000 ppm (Rat)

Non-carcinogenic, according to NTP, IARC, OSHA or ACGIH.

Non-carcinogenic, according to NTP, IARC, OSHA or ACGIH.

Sensitization: Non-sensitizer

Mutagenic effects: No

Tetragenic: No

Reproductive: No

Developmental: No

POTENTIAL EFFECTS OF OVEREXPOSURE:

Inhalation: May cause headache, nausea, or dizziness. Gross overexposure to vapor may cause CNS depression or confusion. Tetrafluoroethane is rapidly equilibrated in tissue, after inhalation, and eliminated with expelled air. May act as simple asphyxiant if air is displaced by vapor.

Skin: May cause drying, chapping of skin. Chilling sensation with liquid evaporation.

Eyes: May cause redness of eyes and tearing. Chilling sensation with liquid evaporation.

Ingestion: Not likely to occur. However should small amounts be ingested then liquid may cause irritation to mouth & throat. Aspiration into the lungs may cause chemical pneumonitis, which can be fatal.

SECTION VIII - EMERGENCY AND FIRST AID PROCEDURES

Skin: Remove excess by wiping, followed by washing with soap and water.

Eyes: Copious warm water flush for 15 minutes, lifting upper and lower lids. If irritation persists contact a physician.

Inhalation: Evacuate to fresh air. If breathing is difficult administer oxygen. If breathing stops apply CPR and call a physician.

Ingestion: Not likely to occur. However should it occur: **DO NOT INDUCE VOMITING.** Give 1/2 pint of milk to drink. If vomiting takes place naturally, lean victim forward to prevent aspiration into lungs. Aspiration into the lungs may cause chemical pneumonitis, which can be fatal. Physician's assessment is mandatory. **Note to Physician: Consult standard literature for Hydrocarbon poison.**

SECTION IX - PREVENTIVE MEASURES

Spills/Leaks: Absorb using inert material (dry clay, commercial sorbents) and collect residue into suitable disposal container.

Waste Disposal: Dispose in approved landfill site or incinerate at licensed waste reclaim facility. Follow all Local, State and Federal Requirements. See **Section X** for further instructions.

Storage: Contents under pressure. Do not store above 120 F. Store in well ventilated area.

Respiratory Protection: None normally needed - unless atomizing in enclosed space, then use approved NIOSH organic, mist/vapor respirator.

Protective Equipment: Not applicable for aerosol containers.

Hygienic Practices: Wash hands and face with soap and water after use. Launder soiled clothing.

SECTION X - REGULATORY INFORMATION

U.S. Federal Regulations:	Tetrafluoroethane 1, 1, 1, 2	Zinc Compounds
TSCA Inventory:	All components included	Reported/Included
SARA Extreme Hazard:	NO	NO
CERCLA:	NO	NO
SARA Toxic Chemical:	NO	YES
TITLE III Hazard Classification Section 311, 312:		Section 313:
Fire: No	Chronic: Yes	Pressure: Yes
Reactivity: No	Acute: Yes	
		CAS# Name %-Wt.
		Not applicable Zinc Compound < 1

SECTION XI - TRANSPORTATION INFORMATION

TDG Road / Rail Classification:	CONSUMER COMMODITY		
DOT/IMO Label:	NON-FLAMMABLE GAS		
HAZARD CLASS:	2		
AIR-IATA Class:	Aerosols, non-flammable, n.o.s.	Class 2.2	UN1950 Non-flammable gas
	(Each not exceeding 1L capacity)		(Hazard label-green diamond)

Lear Chemical and its affiliates assume no responsibility for injury to anyone caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet. Additionally, Lear Chemical Research Corp. and affiliates assume no responsibility for injury to anyone caused by abnormal use of the material even if reasonable safety procedures are followed. Furthermore, vendee and third persons assume the risk in their use of the material.

Date Issued: July 2005

Prepared by: Lear Chemical Research Corp.



MATERIAL SAFETY DATA SHEET

MSDS #: FH/L/2005/RWRB-6FLJW3

Issue Date: 09/08/05

Supersedes: LDL 0006

Issue Date: 09/25/03

SECTION I - CHEMICAL PRODUCT

Identity: **Liquid Hand Dishwashing Detergents**

Brands:

DAWN (All Variations)**IVORY (All Variations)****JOY (All Variations)****SALVO**

Hazard Rating:	Health:	1	4=EXTREME
	Flammability:	1	3=HIGH
	Reactivity:	0	2= MODERATE
			1=SLIGHT

Emergency Telephone Number:

DAWN 1-800-725-3296 (DAWN)

IVORY 1-800-253-2753 (IVORY)

JOY 1-800-436-1569 (JOY)

SALVO 1-800-824-3076

or call Local Poison Control Center or your physician

SECTION II - COMPOSITION AND INGREDIENTS

Hazardous Ingredients as defined by OSHA, 29 CFR 1910.1200.

<u>Chemical Name</u>	<u>Common Name</u>	<u>CAS No.</u>	<u>Recommended Limits</u>	<u>Composition Range</u>	<u>LD50/LC50</u>
Ethyl alcohol	Ethanol	64-17-5	ACGIH TLV: 1880 mg/m ³	1-6%	

SECTION III - HAZARDS IDENTIFICATION

Health Hazards (Acute and Chronic):

Ingestions: Ingestion may cause transient gastrointestinal irritation.

Eye Contact: May cause mild, transient irritation.

Skin: Transient irritation with prolonged exposure to concentrated material.

Signs and Symptoms of Exposure:

Ingestion: May result in nausea, vomiting, and/or diarrhea.

Eye Contact: May cause stinging, tearing, itching, swelling, and/or redness.

Skin: Prolonged contact with concentrated material may be drying or transiently irritating to skin.

SECTION IV - FIRST AID INFORMATION

Emergency and First Aid Procedures:

Ingestion: Drink 1 or 2 glasses of water.

Eye Contact: Flush thoroughly with water for 15 minutes.

Skin: If prolonged contact occurs, rinse thoroughly with water. If spilled on clothing, change clothes. If symptoms persist or recur, seek medical attention.

Other: Consumer product package has a voluntary avoid accidents statement.

SECTION V - FIRE FIGHTING INFORMATION

Flash Point (Method Used): 115-135°F. Pensky-Martens (Closed cup)

Explosive Limits: LEL: N/A UEL: N/A

Extinguishing Media: CO₂, water or dry chemical.

Special Fire Fighting Procedures: None. Although this product has a flash point below 200°F (closed cup), it is a >50% aqueous solution that does **not** sustain combustion.

DOT classification is non-hazardous.

Unusual Fire Hazards: None

Stability Unstable:

Conditions to Avoid: None known

Stable: X

Incompatibility (Materials to Avoid): None known

Hazardous Decomposition/By Products: None known

Hazardous Polymerization: *May Occur.*

Conditions to Avoid: None known

Will Not Occur: X

SECTION VI - ACCIDENTAL RELEASE MEASURES

Personal Precautions: None

Environmental Precautions: DISPOSAL IS TO BE PERFORMED IN COMPLIANCE WITH ALL REGULATIONS. Solutions of the detergents may be allowed to be flushed down sewer -- First check with your local water treatment plant. Recycling is recommended for undiluted scrap product. Do not landfill.

Steps To Be Taken in Case Material is Released or Spilled: Prevent spills from reaching a waterway. Sorbents may be used. Read "Waste Disposal Method" below for further information.

SECTION VII - HANDLING AND STORAGE**Precautions To Be Taken in Handling and Storing:** No unusual precautions necessary.**Other Precautions:** None known**SECTION VIII - EXPOSURE CONTROLS, PERSONAL PROTECTION****Respiratory Protection (Specify Type):** None required with normal use.**Ventilation** *Local Exhaust:* None required with normal consumer use. *Special:* None*Mechanical (General):* Normal/general dilution ventilation is acceptable. *Other:* None**Eye Protection:** None required with normal consumer use.*Industrial Setting:* For splash protection, use chemical goggles. Eye Wash fountain is desirable.**Protective Gloves:** None required with normal use.*Industrial Setting:* Protective gloves (rubber, neoprene) should be used for prolonged direct contact.**Other Protective Equipment:** None required with normal use.**SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES****Boiling Point** °F: Not known**Specific Gravity (H₂O=1):** ca. 1**Vapor Pressure (mm Hg):** N/A**Percent Volatile by Volume (%):** ~60-65%**Vapor Density (Air=1):** N/A**Evaporation Rate (nBuOAc=1):** Unknown**Odor Threshold:** N/A**Freezing Point:** ~ 30 F**Coefficient of Water/Oil Distribution:** N/A**pH:** 8-9**Scooped Density:** N/A**Solubility in Water:** Completely**Appearance and Odor:** Purple, Blue, Green, Yellow, Pink or Orange liquids. All products are perfumed.**Reserve Alkalinity:** N/A**SECTION X - STABILITY AND REACTIVITY****Possible Hazardous Reactions/Conditions:** None known**Conditions to Avoid:** None**Materials to Avoid:** None**Hazardous Decomposition Products:** None known**Other Recommendations:** None**SECTION XI - TOXICOLOGICAL INFORMATION**LD₅₀ (rats oral): approx 12 mL/kgED₅₀ approx 2.3 mL/kg

Liquid hand dishwashing detergents have a relatively low order of toxicity. They may be irritating, but they are not expected to be corrosive. They are expected to be emetic.

SECTION XII - ECOLOGICAL INFORMATION

All surfactants are readily biodegradable. These products are safe for septic tanks.

SECTION XIII - DISPOSAL CONSIDERATIONS

Waste Disposal Method: Disposal is to be performed in compliance with Federal, state and local regulations.

Household product is safe for disposal down the drain during use or in the trash.

Industrial Setting: Solutions of diluted detergent in the course of use, may be allowed to be flushed down sewer.

First check with your local water treatment plant. Recycling is recommended for undiluted scrap product.

Do not landfill.

SECTION XIV - TRANSPORT INFORMATION

Non-hazardous under DOT.

SECTION XV - ADDITIONAL REGULATORY INFORMATION

All components are listed on the US TSCA Inventory. No components are affected by Significant New Use Rules (SNURs) under TSCA §5.

No components of Dawn, Ivory, Joy or Salvo are subject to California Proposition 65 labeling.

All ingredients are CEPA approved for import to Canada by Procter & Gamble only.

SECTION XVI - OTHER INFORMATION

*N/A. - Not Applicable

*N/K. - Not Known

The submission of this MSDS may be required by law, but this is not an assertion that the substance is hazardous when used in accordance with proper safety practices and normal handling procedures. Data supplied is for use only in connection with occupational safety and health.

The information contained herein has been compiled from sources considered by Procter & Gamble to be dependable and is accurate to the best of the Company's knowledge. The information relates to the specific material designated herein, and does not relate to the use in combination with any other material or any other process. Procter & Gamble assumed no responsibility for injury to the recipient or third persons, for any damage to any property resulting from misuse of the controlled product.

MATERIAL SAFETY DATA SHEET

MSDS L-141 REVISION 2

THE DIAL CORPORATION
CENTER FOR INNOVATION
15101 NORTH SCOTTSDALE ROAD
SCOTTSDALE, ARIZONA 85254-9934

MEDICAL EMERGENCIES: 1-888-689-9082
CHEMTREC: 1-800-424-9300 (24 Hours Daily)
OTHER INFORMATION: 1-888-468-6673

SUBSTANCE IDENTIFICATION

SUBSTANCE: BAR SOAP

TRADE NAMES/SYNONYMS: **DIAL® BAR SOAP - MOUNTAIN FRESH**
CHEMICAL FAMILY: Mixture

I.D. NUMBER: 906006

NFPA RATINGS (Scale 0-4, where 4=high degree of hazard): HEALTH=1 FLAMMABILITY=1 REACTIVITY=0
HMIS RATINGS (Scale 0-4, where 4=severe hazard): HEALTH=0 FLAMMABILITY=1 REACTIVITY=0

This product is labeled in accordance with guidelines set forth in the Food, Drug, and Cosmetic Act. The use pattern and exposure in the workplace are generally not consistent with those experienced by consumers. The requirements of the Occupational Safety and Health Administration applicable to this Material Safety Data Sheet may differ from the requirements of the FD & C Act and as a result, this MSDS may contain additional health hazard information not pertinent to consumer use and not found on the product label.

HAZARDOUS INGREDIENT INFORMATION

COMPONENT: GLYCERIN CAS# 56-81-5
(as mist):
5 mg/m³ OSHA TWA (respirable fraction); 10 mg/m³ OSHA TWA (total mist)
10 mg/m³ ACGIH TWA (total mist)

COMPONENT: SODIUM SOAP CAS# 67701-11-5 & 67701-10-4
SOAP DUST = PARTICLES NOT OTHERWISE SPECIFIED
15 mg/m³ OSHA TWA (total dust); 5 mg/m³ OSHA TWA (respirable fraction)
10 mg/m³ ACGIH TWA (total dust); 3 mg/m³ ACGIH TWA (respirable fraction)

Carcinogen status of components: Not listed as carcinogenic by NTP, IARC, or OSHA.

PHYSICAL AND CHEMICAL DATA

DESCRIPTION: Solid white on blue marbelized soap bar with a strong citrus-type fragrance.

pH: approx. 10.5 SOLUBILITY IN WATER: Slight.

FIRE AND EXPLOSION DATA

FIRE AND EXPLOSION HAZARD - The fire hazard for this product has not been determined. The hazard(s) of the component(s) with the most severe hazard(s) are:

Slight fire hazard when exposed to heat or flame. Dust - air mixtures may ignite or explode.

FIRE FIGHTING MEDIA - Dry chemical, carbon dioxide, water spray or regular foam. For larger fires, use water spray, fog or regular foam.

FIRE FIGHTING - Move container from fire area if you can do it without risk. Do not scatter spilled material with high-pressure water streams. Dike fire-control water for later disposal. Use agents suitable for type of surrounding fire. Avoid breathing vapors, keep upwind.

HEALTH HAZARD DATA

NOTE: The acute health effects described below are those which could potentially occur for the finished product. They are based on the toxicology information available for the finished product and/or each hazardous ingredient, and are consistent with the product type and the likelihood of a specific route of exposure. Known chronic health effects related to exposure to a specific ingredient are indicated.

ACUTE HEALTH EFFECTS:

- INHALATION:** Dust may cause mild mucous membrane irritation.
- SKIN CONTACT:** Repeated or prolonged exposure may cause irritation.
- EYE CONTACT:** May cause irritation with stinging, tearing, and redness.
- INGESTION:** May cause mild gastrointestinal irritation with nausea, vomiting, diarrhea and abdominal pain.

CHRONIC HEALTH EFFECTS: None known.

MEDICAL CONDITIONS GENERALLY RECOGNIZED AS BEING AGGRAVATED BY EXPOSURE: Pre-existing skin conditions.

EMERGENCY AND FIRST AID PROCEDURES

INHALATION: Remove from exposure area to fresh air immediately. Keep affected person warm and at rest. Treat symptomatically and supportively. Contact physician or local poison control center. If breathing has stopped, give artificial respiration, and get medical attention immediately.

SKIN CONTACT: Rinse affected area with large amounts of water until no evidence of product remains. Get medical attention if irritation persists.

EYE CONTACT: Immediately rinse eyes with plenty of water, occasionally lifting upper and lower lids, until no evidence of product remains. Get medical attention if pain or irritation persists.

INGESTION: Treat symptomatically and supportively. Maintain airway and respiration. If vomiting occurs, keep head below hips to prevent aspiration. Dilution by rinsing the mouth and giving water or milk to drink is generally recommended. If unconscious, the victim should not be given anything to drink. Contact physician or local poison control center.

REACTIVITY

REACTIVITY - Stable under normal temperatures and pressures.

INCOMPATIBILITIES: Strong oxidizers, peroxides, acids, alkalis.

DECOMPOSITION - Thermal decomposition may release toxic and/or hazardous gases.

POLYMERIZATION - Hazardous polymerization has not been reported to occur under normal temperatures and pressures.

STORAGE AND DISPOSAL

Store away from incompatible substances. Observe all federal, state and local regulations when storing or disposing of this substance.

CONDITIONS TO AVOID

Avoid contact with incompatible substances and excessive heat.

SPILL AND LEAK PROCEDURES

OCCUPATIONAL SPILL - Sweep up and place in suitable clean, dry containers for reclamation or later disposal. Keep unnecessary people away.

OCCUPATIONAL PROTECTIVE EQUIPMENT

VENTILATION - Provide local exhaust ventilation system to meet permissible exposure limits, where dusts or mists are likely to be generated.

RESPIRATOR - Air contamination monitoring should be carried out, where dusts or mists are likely to be generated, to assure that the employees are not exposed to harmful concentrations above the permissible exposure limits. If respiratory protection is required, it must be based on the contamination levels found in the workplace, must not exceed the working limits of the respirator and be jointly approved by the National Institute for Occupational Safety and Health and the Mine Safety and Health Administration (NIOSH-MSHA).

FOR FIRE FIGHTING AND OTHER IMMEDIATELY DANGEROUS TO LIFE OR HEALTH CONDITIONS -

Any self-contained breathing apparatus that has a full facepiece and is operated in a pressure-demand or other positive-pressure mode. Any supplied-air respirator that has a full facepiece and is operated in a pressure-demand or other positive-pressure mode in combination with an auxiliary self-contained breathing apparatus operated in pressure-demand or other positive-pressure mode.

CLOTHING - Protective clothing is required where repeated or prolonged skin contact may occur.

GLOVES - Protective gloves are required where repeated or prolonged skin contact may occur.

EYE PROTECTION - Safety glasses are required to prevent eye contact if dusty conditions may occur.

REGULATORY INFORMATION

DOT FLAMMABILITY CLASSIFICATION: Not applicable.

EPA - SARA TITLE III SECTION 313: Not applicable - Consumer product.

TSCA: All components of this product are listed or are exempted or excluded from listing on the U.S. Toxic Substances Control Act (TSCA) chemical substance inventory.

The information contained herein is provided in good faith and is believed to be correct as of the date hereof. However, Te Dial Corporation makes no representation as to the comprehensiveness or accuracy of the information. It is expected that individuals receiving the information will exercise their independent judgment in determining its appropriateness for a particular purpose. Accordingly, The Dial Corporation will not be responsible for damages of any kind resulting from the use of or reliance upon such information. No representations, or warranties, either expressed or implied of merchantability, fitness for a particular purpose or of any other nature are made hereunder with respect to the information set forth herein or to the product to which the information refers.

MSDS CREATION DATE: 02/07/95

SUPERSEDES: Rev. 1; 12/19/97

REVISION DATE: 11/11/04

REVISION: Updated address information, Substance ID and Hazardous Ingredients Sections.

Section 1. Product and Company Identification

Product Name	EASY-OFF® HEAVY DUTY OVEN CLEANER (AEROSOL)	MSDS#	Not available.
Product Description	Original heavy duty oven cleaner formula with Floral or Lemon Scent.	Validation Date	10/18/2005
Manufacturer	Reckitt Benckiser North America, Inc. Morris Corporate Center IV 399 Interpace Parkway (P.O. Box 225) Parsippany, N.J. 07054-0225	Print Date	10/18/2005
Product Identifier	Not available.	In case of Emergency:	Telephone: 800-228-4722
Item Number	371752	Transportation Emergencies:	Chemtrec: 1-800-424-9300 (U.S. & Canada) Outside the U.S & Canada (North America), call: 703-527-3887
Formula Number	772-004 (F/F 371752) Floral Scent; 500-188C (F/F 367270) Lemon Scent.		
UPC Number	62338-00132 (8 oz.) Floral Scent; 62338-00138 (16 oz.) Floral Scent & 62338-00148 (16 oz.) Lemon Scent).		

Section 2. Composition and Information on Ingredients

Name	CAS #	% by Weight	Exposure Limits : TLV/PEL
1) N-BUTANE	106-97-8	1-5	TWA: 1900 (mg/m³) from ACGIH (TLV) TWA: 800 (ppm) from ACGIH (TLV)
2) SODIUM HYDROXIDE	1310-73-2	0-5	CEIL: 2 (mg/m³) from ACGIH (TLV) TWA: 2 (mg/m³) from OSHA
3) MONOETHANOLAMINE	141-43-5	0-5	TWA: 7.5 STEL: 15 (mg/m³) from ACGIH (TLV) TWA: 3 STEL: 6 (ppm) from ACGIH (TLV) TWA: 6 STEL: 15 (mg/m³) from OSHA
4) DIETHYLENE GLYCOL MONOBUTYL ETHER	112-34-5	5.0	TWA: 3 (ppm) from OSHA Not available.

Section 3. Hazards Identification

Emergency Overview	DANGER: Harmful if swallowed. Causes burns to skin and eyes on contact. Contents under pressure. Contains sodium hydroxide (LYE). Wear long rubber gloves when using, will burn skin and eyes. Avoid contact with skin, eyes, mucous membranes and clothing. Do not ingest. Avoid breathing spray mist. Do not puncture or incinerate container or store in temperatures over 120° F (50°C). Do not place in hot water or near radiators, stoves or other sources of heat. KEEP OUT OF REACH OF CHILDREN.
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Section 4. First Aid Measures

Eye Contact	Immediately rinse eyes with water, remove any contact lenses, and continue rinsing eyes for fifteen minutes. Call a doctor or poison control center if symptoms persist.
Skin Contact	Rinse skin immediately and remove contaminated clothing. Wash thoroughly with soap and water and continue flushing with water for at least 10 minutes. If discomfort persists, call a physician immediately.
Inhalation	Move person to fresh air. Call a doctor or poison control center if symptoms persist.
Ingestion	If swallowed, DO NOT induce vomiting. Rinse mouth thoroughly with water, drink water or milk. NEVER give an unconscious person anything to ingest. Call a physician immediately. NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage.

Continued on Next Page

Section 5. Fire and Explosion Data

Flammability	See Section 14 for any Shipping Classifications.
Flash Point	Not applicable. Flame extension less than 18 inches or 45 cm.
Explosive Limits in Air	Not available.
Products of Combustion	Not available.
Fire and Explosion Hazards	Contents under pressure. Do not use or store near heat or open flame. Do not puncture or incinerate. Exposure to temperatures above 120°F (48.9°C) may cause bursting.
Fire Fighting Media and Instructions	Use dry chemicals, CO2, water spray or foam, as suitable, for the surrounding fire. Use water spray to cool fire-exposed containers.
Special Fire Fighting Instructions	Product contents under pressure. Cool containers with water spray. Wear full protective equipment: eye/face (shield), body (full bunker gear), respiratory protection (SCBA). Provide shielding for venting, rupturing or bursting containers.

Section 6. Accidental Release Measures

Accidental Spill	<p>Small spills: Wear long rubber gloves. Soak up spill with absorbent material. Rinse area with water and wipe dry. Wrap absorbed material in plastic bag to dispose. Avoid contact with reactive metals such as aluminum.</p> <p>Large spills: Wearing appropriate personal protective equipment, spill should be diked, contained and collected for later disposal according to local, state or federal regulations.</p>
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Section 7. Handling and Storage

Handling and Storage	<p>DANGER: Contains sodium hydroxide (lye). Harmful if swallowed. Do not ingest. Avoid breathing spray mist. Wear long rubber gloves when using, will burn skin and eyes. Avoid contact with skin, eyes, mucous membranes and clothing. Container may explode if heated. Do not place in hot water, or near radiators, stoves or other sources of heat. Do not puncture or incinerate container or store at temperatures over 120°F (50°C).</p> <p>Store containers in an upright position in a cool, dry secure area inaccessible to small children and pets. Keep from freezing. KEEP OUT OF REACH OF CHILDREN.</p>
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Section 8. Exposure Controls/Personal Protection

Ventilation Requirements	None normally required. Use sufficient ventilation to keep hazardous ingredients below their Threshold Limit Values (see Section #2) during emergency operations such as a major spill clean-up or fire.
Eye Protection	Wear protective eyewear. Emergency responders should wear full eye and face protection.
Skin Protection	Wear long sleeves and long impervious rubber gloves. Do not get on skin or clothing. If product gets on clothing, remove clothing and wash before wearing again. Emergency responders should wear impermeable gloves.
Respiratory Protection	Avoid breathing spray mist. Emergency responders should wear suitable respiratory protection where long term exposure to large areas of spilled liquid is possible such as a major spill, a fire or a clean-up operation.
Other Protection	Emergency responders should wear impermeable clothing and footwear when responding to a situation where contact with the liquid is possible.
Work/Hygienic Practices	Avoid contact with skin, eyes, mucous membranes and clothing. Avoid breathing spray mist. Wash thoroughly with soap and water after handling.

Continued on Next Page

Section 9. Physical and Chemical Properties

Description	Liquid. (White foam when sprayed)	Odor	Lemon like (F/F 367270); Floral (F/F 371752)
pH	13.3 [Basic.]	Color	White foam when sprayed.
Boiling/Condensation Point	Not available.		
Specific Gravity	1.05 (Water = 1)		
Vapor Pressure	Not available.		
Vapor Density	Not available.		
Viscosity	Not available.		
Solubility	Complete.		
Physical Chemical Comments	Not available.		

Section 10. Stability and Reactivity Data

Chemical Stability	The product is stable.
Conditions of Instability	Do not puncture or incinerate container or store at temperatures over 120°F (50°C). Never leave can on stove or near source of heat. Keep from freezing.
Incompatibility with Various Substances	Recommended for use ONLY on porcelain, enamel, iron, stainless steel, ceramic and glass surfaces. Do not use on exterior oven surfaces, aluminum, chrome or baked enamel. Strong oxidizing agents or acids.
Hazardous Decomposition Products	Carbon dioxide, carbon monoxide and unidentified organic compounds may be formed during thermal decomposition.
Hazardous Polymerization	Will not occur.

Section 11. Toxicological Information**Exposure effects**

Eye Contact	Causes burns to eyes on contact.
Skin Contact	Causes burns to skin on contact.
Inhalation	Causes burns on contact.
Ingestion	Harmful if swallowed. May cause burns to mouth, throat and stomach.
Carcinogenicity	Not listed as carcinogenic by OSHA, NTP or IARC.

Section 12. Ecological Information

Ecotoxicity	Not available.
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Section 13. Disposal Considerations

Waste Disposal	Discard individual empty container in trash. Large quantity disposal: Degas cans and discharge liquid contents to sanitary sewer or accumulate intact cans for transport to shredder, approved incinerator, or other facility in accord with local, state and federal regulations.
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Continued on Next Page

Section 14. Transport Information

DOT Classification	ORM-D	
Proper Shipping Name	Consumer Commodity	
DOT Identification Number	Not applicable.	
Packing Group	Not applicable.	
Maritime Transportation	Not applicable.	
Hazardous Substances Reportable Quantity	Not applicable.	
Special Provisions for Transport	ORM-D: For US Domestic Shipments Only	
TDG Classification	Consumer Commodity - Transborder Consignment	
ADR Classification	Not applicable.	
IMDG Classification	Aerosols, class 2.2 (corrosive) UN1950 - LTD QTY.	
IATA Classification	Aerosols, non-flammable, n.o.s., containing substances in Class 8, Packing Group I or II -FORBIDDEN FOR AIR SHIPMENT-	

Section 15. Regulatory Information

Federal and State Regulations	SARA Title III, Section 313 Toxic Chemical Notification & Release Reporting: 1) DIETHYLENE GLYCOL MONOBUTYL ETHER CAS #: 112-34-5 5 % California Proposition 65: This product contains the following ingredients which require a warning under the Safe Drinking Water & Toxic Enforcement Act: None		
Other Classifications	WHMIS (Canada)	CLASS E: Corrosive liquid.	

Section 16. Other Information

HMIS (U.S.A.)	<table><tr><td>Health Hazard</td><td>3</td></tr><tr><td>Fire Hazard</td><td>2</td></tr><tr><td>Reactivity</td><td>0</td></tr><tr><td>Personal Protection</td><td>D</td></tr></table>	Health Hazard	3	Fire Hazard	2	Reactivity	0	Personal Protection	D	National Fire Protection Association (U.S.A.)	<div>Health</div> <div><div><div>3</div><div>1</div><div>0</div></div></div> <div><div>Fire Hazard</div><div>Reactivity</div><div>Specific hazard</div></div>
Health Hazard	3										
Fire Hazard	2										
Reactivity	0										
Personal Protection	D										
		<u>NFPA Aerosol Level</u>	1, per NFPA 30B								
Validated by Product Safety on 10/18/2005.		Printed 10/18/2005.									

Notice to Reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

DOD Hazardous Materials Information System
DoD 6050.5-L
AS OF July 1998

FSC: 8010
NIIN: 00N010451
Manufacturer's CAGE: 11111
Part No. Indicator: A
Part Number/Trade Name: EASYPOXY BLACK, 3801

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General Information

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Item Name:
Company's Name: PETTIT PAINT COMPANY, INC.
Company's Street: 36 PINE STREET
Company's P. O. Box:
Company's City: BOROUGH OF ROCKAWAY
Company's State: NJ
Company's Country: US
Company's Zip Code: 07866
Company's Emerg Ph #: 800-548-0489
Company's Info Ph #: 201-625-3100
Distributor/Vendor # 1:
Distributor/Vendor # 1 Cage:
Distributor/Vendor # 2:
Distributor/Vendor # 2 Cage:
Distributor/Vendor # 3:
Distributor/Vendor # 3 Cage:
Distributor/Vendor # 4:
Distributor/Vendor # 4 Cage:
Safety Data Action Code:
Safety Focal Point: N
Record No. For Safety Entry: 001
Tot Safety Entries This Stk#: 002
Status:
Date MSDS Prepared: 16MAY89
Safety Data Review Date: 04AUG95
Supply Item Manager:
MSDS Preparer's Name:
Preparer's Company:
Preparer's St Or P. O. Box:
Preparer's City:
Preparer's State:
Preparer's Zip Code:
Other MSDS Number:
MSDS Serial Number: BCTTT
Specification Number:
Spec Type, Grade, Class:
Hazard Characteristic Code: F4
Unit Of Issue: NK
Unit Of Issue Container Qty: N/K
Type Of Container: N/K
Net Unit Weight:

Report for NIIN: 00N010451

NRC/State License Number:
Net Explosive Weight:
Net Propellant Weight-Ammo:
Coast Guard Ammunition Code:

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Ingredients/Identity Information


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=====
Proprietary: NO
Ingredient: MINERAL SPIRITS; (ALIPHATIC SOLVENT NAPHTHA (PETROLEUM)). VP:
10. LD50:(ORAL,RAT) >25 ML/KG.
Ingredient Sequence Number: 01
Percent: 25-35
Ingredient Action Code:
Ingredient Focal Point: N
NIOSH (RTECS) Number: 1005956MS
CAS Number: 64742-88-7
OSHA PEL: NOT APPLICABLE
ACGIH TLV: NOT APPLICABLE
Other Recommended Limit: 100 PPM (MFR)
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Proprietary: NO
Ingredient: RUTILE; (TITANIUM DIOXIDE). LD50:(ORAL,RAT) >9500 MG/KG.
Ingredient Sequence Number: 02
Percent: 0-35
Ingredient Action Code:
Ingredient Focal Point: N
NIOSH (RTECS) Number: VM2940000
CAS Number: 1317-80-2
OSHA PEL: 10 MG/M3 TDUST
ACGIH TLV: 10 MG/M3
Other Recommended Limit: N/K
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```

Proprietary: NO
Ingredient: CARBON BLACK
Ingredient Sequence Number: 03
Percent: 0-4
Ingredient Action Code:
Ingredient Focal Point: N
NIOSH (RTECS) Number: FF5800000
CAS Number: 1333-86-4
OSHA PEL: 3.5 MG/M3
ACGIH TLV: 3.5 MG/M3
Other Recommended Limit: N/K
-----

```

```

Proprietary: NO
Ingredient: CALCIUM CARBONATE
Ingredient Sequence Number: 04
Percent: 0-20
Ingredient Action Code:
Ingredient Focal Point: N
NIOSH (RTECS) Number: EV9580000
CAS Number: 1317-65-3
OSHA PEL: 15MG/M3 TDUST;5 RESP

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Report for NIIN: 00N010451

ACGIH TLV: 10 MG/M3
Other Recommended Limit: N/K

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Physical/Chemical Characteristics

=====

Appearance And Odor: N/K (FP N)
Boiling Point: >373F,>189C
Melting Point: N/K (FP N)
Vapor Pressure (MM Hg/70 F): N/K (FP N)
Vapor Density (Air=1): HV THN AIR
Specific Gravity: 1.08-1.50(FP N)

Decomposition Temperature: N/K (FP N)
 Evaporation Rate And Ref: SLOWER THAN ETHER
 Solubility In Water: N/K (FP N)
 Percent Volatiles By Volume: 40-50
 Viscosity:
 pH: N/K
 Radioactivity:
 Form (Radioactive Matl):
 Magnetism (Milligauss): N/P
 Corrosion Rate (IPY): N/K-FP N
 Autoignition Temperature:

=====

Fire and Explosion Hazard Data

=====

Flash Point: 105F/40.6C
 Flash Point Method: TCC
 Lower Explosive Limit: 1
 Upper Explosive Limit: N/K (FP N)
 Extinguishing Media: FOAM, CO*2, DRY CHEMICAL, WATER FOG. DO NOT USE A
 DIRECT STREAM OF WATER. PRODUCT WILL FLOAT & CAN BE REIGNITED.
 Special Fire Fighting Proc: USE NIOSH/MSHA APPROVED SCBA & FULL PROTECTIVE
 EQUIPMENT (FP N).
 Unusual Fire And Expl Hazrds: CONTAINERS EXPOSED TO INTENSE HEAT FROM
 FIRES SHOULD BE COOLED W/WATER TO PREVENT VAPOR PRESSURE BUILDUP, WHICH
 COULD RESULT IN CONTAINER RUPTURE.

=====

Reactivity Data

=====

Stability: YES
 Cond To Avoid (Stability): NONE
 Materials To Avoid: STRONG OXIDANTS LIKE: LIQUID CHLORINE, CONCENTRATED
 OXYGEN, SODIUM, CALCIUM HYPOCHLORITE.
 Hazardous Decomp Products: FUMES, SMOKE & CARBON MONOXIDE, IN THE CASE OF
 INCOMPLETE COMBUSTION.
 Hazardous Poly Occur: NO
 Conditions To Avoid (Poly): N/K (FP N)

=====

Health Hazard Data

=====

LD50-LC50 Mixture: SEE INGREDIENTS.
 Route Of Entry - Inhalation: YES
 Route Of Entry - Skin: NO

Report for NIIN: 00N010451

Route Of Entry - Ingestion: YES
 Health Haz Acute And Chronic: SEE SIGNS & SYMPTOMS OF OVEREXPOSURE SECTION
 (FP N).
 Carcinogenicity - NTP: NO
 Carcinogenicity - IARC: NO
 Carcinogenicity - OSHA: NO
 Explanation Carcinogenicity: NOT APPLICABLE (FP N)
 Signs/Symptoms Of Overexp: INHALATION OF HIGH VAPOR CONCENTRATIONS MAY
 HAVE RESULTS RANGING FROM DIZZINESS, HEADACHES, GIDDINESS, NAUSEA TO
 UNCONSCIOUSNESS. PROLONG/REPEATED LIQUID CONTACT W/SKIN WILL DRY & DEFAT
 SKIN, LEADING TO IRRITATION & DERMATITIS.
 Med Cond Aggravated By Exp: N/K (FP N)
 Emergency/First Aid Proc: EYES: IMME FLUSH W/LGE AMTS OF WATER FOR AT LEAST
 1 MIN OR UNTIL IRRITATION SUBSIDES. INGES: DO NOT INDUCE VOM, CALL PHYS. IF
 VOM OCCUR, KEEP HEAD BELOW HIPS TO KEEP LIQ OUT OF LUNGS. SKIN: REMOVE ANY
 CONTAM CLTHNG, & WASH SKIN W/ SOAP & WATER. INHALATION: REMOVE FROM EXPOSURE

IMMEDIATELY.IF BREATHING IS IRREGULAR/STOPPED,START RESUSCITATION,
ADMINISTER OXYGEN.CALL A PHYSICIAN.

=====

Precautions for Safe Handling and Use

=====

Steps If Matl Released/Spill: RMOV ALL IGN SOURCE.KEEP PEOPLE AWAY.RCOVR
FREE LIQ.ADD ABSOR(SAND,EARTH,SAWDUST,ETC.)TO SPILL AREA.AVOID BRTHNG VAPR.
VENT CONFIND SPACE.OPEN ALL WINDOW & DOOR.KEEP PETRO PROD OUT OF SEWR &
WTRCOURSE BY DIKNG/IMPOUNDNG.ADVISE AUTH IF PROD (SUP DAT)
Neutralizing Agent: N/K (FP N)
Waste Disposal Method: ASSURE CONFORMITY W/APPLICABLE FEDERAL, STATE &
LOCAL REGULATIONS. DISPOSE OF ABSORBED MATERIAL AT AN RCRA APPROVED
DISPOSAL SITE OR FACILITY.
Precautions-Handling/Storing: KEEP CONTAINERS CLOSED WHEN NOT IN USE. DO
NOT HANDLE/STORE NEAR HEAT, SPARK, FLAME/STRONG OXIDANTS.
Other Precautions: NONE

=====

Control Measures

=====

Respiratory Protection: USE A NIOSH/MSHA APPROVED HYDROCARBON VAPOR
CANNISTER/SUPPLIED-AIR RESPIRATORY PROTECTION IN CONFINED/ENCLOSED PLACES
IF OCCUPATIONAL EXPOSURE LIMITS ARE EXCEEDED.
Ventilation: EXHAUST AT OVER 60 PPM.
Protective Gloves: USE CHEMICAL RESISTANT TYPE.
Eye Protection: CHEM WORKER GOGGLES OR FACE SHIELD.
Other Protective Equipment: USE A NIOSH/MSHA APPROVED DUST RESPIRATOR WHEN
SANDING THESE PRODUCTS IF OCCUPATIONAL EXPOSURE LIMITS ARE EXCEEDED.
Work Hygienic Practices: N/K (FP N)
Suppl. Safety & Health Data: SPILL RELEASE:HAS ENTERED/MAY ENTER SEWER,
WATERCOURSE OR EXTENSIVE LAND AREAS.

=====

Transportation Data

=====

Transportation Action Code:
Transportation Focal Point: N
Trans Data Review Date: 88355
DOT PSN Code: LFE

Report for NIIN: 00N010451

DOT Symbol:
DOT Proper Shipping Name: PAINT
DOT Class: 3
DOT ID Number: UN1263
DOT Pack Group: III
DOT Label: FLAMMABLE LIQUID
DOT/DoD Exemption Number: N/R
IMO PSN Code: LCT
IMO Proper Shipping Name: PAINT OR PAINT RELATED MATERIAL
IMO Regulations Page Number: 3372
IMO UN Number: 1263
IMO UN Class: 3.3
IMO Subsidiary Risk Label: -
IATA PSN Code: SXH
IATA UN ID Number: 1263
IATA Proper Shipping Name: PAINT
IATA UN Class: 3
IATA Subsidiary Risk Class:
IATA Label: FLAMMABLE LIQUID
AFI PSN Code: SXH
AFI Symbols:

AFI Prop. Shipping Name: PAINT OR PAINT RELATED MATERIAL
 AFI Class: 3
 AFI ID Number: UN1263
 AFI Pack Group: III
 AFI Label:
 AFI Special Prov:
 AFI Basic Pac Ref:
 MMAC Code:
 N.O.S. Shipping Name:
 Additional Trans Data: CONTAINERS ASSUMED TO BE UNDER 110 GALLONS.

=====

Disposal Data

=====

Disposal Data Action Code:
 Disposal Data Focal Point: E
 Disposal Data Review Date: 89286
 Rec # For This Disp Entry: 01
 Tot Disp Entries Per NSN: 001
 Landfill Ban Item: YES
 Disposal Supplemental Data: BP:189.4-198.9C.PH:N/K (FP N).RTE ENTRY:N/K
 (FP N).SPILL RELEASE:HAS ENTERED/MAY ENTER SEWER,WTRCOURSE,/EXTEN LAND
 AREA. IN CASE OF ACCIDENTAL EXPOSURE OR DISCHARGE, CONSULT HEALTH AND
 SAFETY FILE FOR PRECAUTIONS.
 1st EPA Haz Wst Code New: D001
 1st EPA Haz Wst Name New: IGNITIBLE
 1st EPA Haz Wst Char New: IGNITABILITY
 1st EPA Acute Hazard New: NO
 2nd EPA Haz Wst Code New:
 2nd EPA Haz Wst Name New:
 2nd EPA Haz Wst Char New:
 2nd EPA Acute Hazard New:
 3rd EPA Haz Wst Code New:

Report for NIIN: 00N010451

3rd EPA Haz Wst Name New:
 3rd EPA Haz Wst Char New:
 3rd EPA Acute Hazard New:

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Label Data

=====

Label Required: YES
 Technical Review Date: 07OCT92
 Label Date: 07OCT92
 MFR Label Number:
 Label Status: G
 Common Name: EASYPOXY BLACK, 3801
 Chronic Hazard: NO
 Signal Word: WARNING!
 Acute Health Hazard-None:
 Acute Health Hazard-Slight:
 Acute Health Hazard-Moderate: X
 Acute Health Hazard-Severe:
 Contact Hazard-None:
 Contact Hazard-Slight: X
 Contact Hazard-Moderate:
 Contact Hazard-Severe:
 Fire Hazard-None:
 Fire Hazard-Slight:
 Fire Hazard-Moderate: X
 Fire Hazard-Severe:

Reactivity Hazard-None: X
Reactivity Hazard-Slight:
Reactivity Hazard-Moderate:
Reactivity Hazard-Severe:
Special Hazard Precautions: COMBUSTIBLE LIQUID. OSHA CLASS II. AVOID
OXIDIZERS. ACUTE:VAPORS MAY CAUSE DIZZINESS, HEADACHE, GIDDINESS, NAUSEA,
UNCONSCIOUSNESS. PROLONGED OR REPEATED LIQUID CONTACT WILL DEFAT & DRY SKIN
LEADING TO DERMATITIS. CHRONIC:NONE SPECIFIED BY MANUFACTURER.
Protect Eye: Y
Protect Skin: Y
Protect Respiratory: Y
Label Name: PETTIT PAINT CO INC
Label Street: 36 PINE ST
Label P.O. Box:
Label City: ROCKAWAY
Label State: NJ
Label Zip Code: 07866-3131
Label Country: US
Label Emergency Number: 800-548-0489
Year Procured:

DOD Hazardous Materials Information System
DoD 6050.5-L
AS OF July 1998

FSC: 8010
NIIN: 00N010453
Manufacturer's CAGE: 11111
Part No. Indicator: A
Part Number/Trade Name: EASYPOXY PLATINUM, 3711

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General Information

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Item Name:
Company's Name: PETTIT PAINT COMPANY, INC.
Company's Street: 26 PINE STREET
Company's P. O. Box:
Company's City: BOROUGH OF ROCKAWAY
Company's State: NJ
Company's Country: US
Company's Zip Code: 07866
Company's Emerg Ph #: 800-548-0489
Company's Info Ph #: 201-625-3100
Distributor/Vendor # 1:
Distributor/Vendor # 1 Cage:
Distributor/Vendor # 2:
Distributor/Vendor # 2 Cage:
Distributor/Vendor # 3:
Distributor/Vendor # 3 Cage:
Distributor/Vendor # 4:
Distributor/Vendor # 4 Cage:
Safety Data Action Code:
Safety Focal Point: N
Record No. For Safety Entry: 001
Tot Safety Entries This Stk#: 002
Status:
Date MSDS Prepared: 16MAY89
Safety Data Review Date: 04AUG95
Supply Item Manager:
MSDS Preparer's Name:
Preparer's Company:
Preparer's St Or P. O. Box:
Preparer's City:
Preparer's State:
Preparer's Zip Code:
Other MSDS Number:
MSDS Serial Number: BCTTW
Specification Number:
Spec Type, Grade, Class:
Hazard Characteristic Code: F4
Unit Of Issue: NK
Unit Of Issue Container Qty: N/K
Type Of Container: N/K
Net Unit Weight:

Report for NIIN: 00N010453

NRC/State License Number:
Net Explosive Weight:
Net Propellant Weight-Ammo:
Coast Guard Ammunition Code:

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Ingredients/Identity Information

```

=====
Proprietary: NO
Ingredient: MINERAL SPIRITS; (ALIPHATIC SOLVENT NAPHTHA (PETROLEUM)). VP:
10. LD50:(ORAL,RAT) >25 ML/KG.
Ingredient Sequence Number: 01
Percent: 25-35
Ingredient Action Code:
Ingredient Focal Point: N
NIOSH (RTECS) Number: 1005956MS
CAS Number: 64742-88-7
OSHA PEL: NOT APPLICABLE
ACGIH TLV: NOT APPLICABLE
Other Recommended Limit: 100 PPM (MFR)
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Proprietary: NO
Ingredient: RUTILE; (TITANIUM DIOXIDE). LD50:(ORAL,RAT) >9500 MG/KG.
Ingredient Sequence Number: 02
Percent: 0-35
Ingredient Action Code:
Ingredient Focal Point: N
NIOSH (RTECS) Number: VM2940000
CAS Number: 1317-80-2
OSHA PEL: 10 MG/M3 TDUST
ACGIH TLV: 10 MG/M3
Other Recommended Limit: N/K
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```

Proprietary: NO
Ingredient: CARBON BLACK
Ingredient Sequence Number: 03
Percent: 0-4
Ingredient Action Code:
Ingredient Focal Point: N
NIOSH (RTECS) Number: FF5800000
CAS Number: 1333-86-4
OSHA PEL: 3.5 MG/M3
ACGIH TLV: 3.5 MG/M3
Other Recommended Limit: N/K
-----

```

```

Proprietary: NO
Ingredient: CALCIUM CARBONATE
Ingredient Sequence Number: 04
Percent: 0-20
Ingredient Action Code:
Ingredient Focal Point: N
NIOSH (RTECS) Number: EV9580000
CAS Number: 1317-65-3
OSHA PEL: 15MG/M3 TDUST;5 RESP

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Report for NIIN: 00N010453

ACGIH TLV: 10 MG/M3
Other Recommended Limit: N/K

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Physical/Chemical Characteristics

=====

Appearance And Odor: N/K (FP N)
Boiling Point: >373F,>189C
Melting Point: N/K (FP N)
Vapor Pressure (MM Hg/70 F): N/K (FP N)
Vapor Density (Air=1): HV THN AIR
Specific Gravity: 1.08-1.50(FP N)

Decomposition Temperature: N/K (FP N)
 Evaporation Rate And Ref: SLOWER THAN ETHER
 Solubility In Water: N/K (FP N)
 Percent Volatiles By Volume: 40-50
 Viscosity:
 pH: N/K
 Radioactivity:
 Form (Radioactive Matl):
 Magnetism (Milligauss): N/P
 Corrosion Rate (IPY): N/K-FP N
 Autoignition Temperature:

=====

Fire and Explosion Hazard Data

=====

Flash Point: 105F/40.6C
 Flash Point Method: TCC
 Lower Explosive Limit: 1
 Upper Explosive Limit: N/K (FP N)
 Extinguishing Media: FOAM, CO*2, DRY CHEMICAL, WATER FOG.DO NOT USE A
 DIRECT STREAM OF WATER. PRODUCT WILL FLOAT & CAN BE REIGNITED.
 Special Fire Fighting Proc: USE NIOSH/MSHA APPROVED SCBA & FULL PROTECTIVE
 EQUIPMENT (FP N).
 Unusual Fire And Expl Hazrds: CONTAINERS EXPOSED TO INTENSE HEAT FROM
 FIRES SHOULD BE COOLED W/WATER TO PREVENT VAPOR PRESSURE BUILDUP, WHICH
 COULD RESULT IN CONTAINER RUPTURE.

=====

Reactivity Data

=====

Stability: YES
 Cond To Avoid (Stability): NONE
 Materials To Avoid: STRONG OXIDANTS LIKE:LIQUID CHLORINE, CONCENTRATED
 OXYGEN, SODIUM, CALCIUM HYPOCHLORITE.
 Hazardous Decomp Products: FUMES, SMOKE & CARBON MONOXIDE, IN THE CASE OF
 INCOMPLETE COMBUSTION.
 Hazardous Poly Occur: NO
 Conditions To Avoid (Poly): N/K (FP N)

=====

Health Hazard Data

=====

LD50-LC50 Mixture: SEE INGREDIENTS.
 Route Of Entry - Inhalation: YES
 Route Of Entry - Skin: NO

Report for NIIN: 00N010453

Route Of Entry - Ingestion: YES
 Health Haz Acute And Chronic: SEE SIGNS & SYMPTOMS OF OVEREXPOSURE (FP N).
 Carcinogenicity - NTP: NO
 Carcinogenicity - IARC: NO
 Carcinogenicity - OSHA: NO
 Explanation Carcinogenicity: NOT APPLICABLE (FP N)
 Signs/Symptoms Of Overexp: INHALATION OF HIGH VAPOR CONCENTRATIONS MAY
 HAVE RESULTS RANGING FROM DIZZINESS,HEADACHES,GIDDINESS,NAUSE TO
 UNCONSCIOUSNESS.PROLONG/REPEATED LIQUID CONTACT W/SKIN WILL DRY & DEFAT
 SKIN, LEADING TO IRRITATION & DERMATITIS.
 Med Cond Aggravated By Exp: N/K (FP N)
 Emergency/First Aid Proc: EYES:IMME FLUSH W/LGE AMTS OF WATER FOR AT LEAST
 15 MIN OR UNTIL IRRITATION SUBSIDES.INGES:DO NOT INDUCE VOM,CALL PHYS.IF
 VOM OCCUR,KEEP HEAD BELOW HIPS TO KEEP LIQ OUT OF LUNGS.SKIN:REMOVE ANY
 CONTAM CLTHNG,& WASH SKIN W/SOAP & WATER. INHALATION:REMOVE FROM EXPOSURE
 IMMEDIATELY.IF BREATHING IS IRREGULAR/STOPPED,START RESUSCITATION,

ADMINISTER OXYGEN.CALL A PHYSICIAN.

=====

Precautions for Safe Handling and Use

=====

Steps If Matl Released/Spill: RMOV ALL IGN SOURCE.KEEP PEOPLE AWAY.RCOVER
FREE LIQ.ADD ABSOR(SAND,EARTH,SAWDUST,ETC.)TO SPILL AREA.AVOID BRTHNG VAPR.
VENT CONFINED SPACE.OPEN ALL WINDOW & DOOR.KEEP PETRO PROD OUT OF SEWR &
WTRCOURSE BY DIKNG/IMPOUNDNG.ADVISE AUTH IF PROD (SUP DAT)
Neutralizing Agent: N/K (FP N)
Waste Disposal Method: ASSURE CONFORMITY W/APPLICABLE FEDERAL, STATE &
LOCAL REGULATIONS. DISPOSE OF ABSORBED MATERIAL AT AN RCRA APPROVED
DISPOSAL SITE OR FACILITY.
Precautions-Handling/Storing: KEEP CONTAINERS CLOSED WHEN NOT IN USE. DO
NOT HANDLE/STORE NEAR HEAT, SPARK, FLAME/STRONG OXIDANTS.
Other Precautions: NONE

=====

Control Measures

=====

Respiratory Protection: USE A NIOSH/MSHA APPROVED HYDROCARBON VAPOR
CANNISTER/SUPPLIED-AIR RESPIRATORY PROTECTION IN CONFINED/ENCLOSED PLACES
IF OCCUPATIONAL EXPOSURE LIMITS ARE EXCEEDED.
Ventilation: EXHAUST AT OVER 60 FPM.
Protective Gloves: USE CHEMICAL RESITANT TYPE.
Eye Protection: CHEM WORKER GOGGLES OR FACE SHIELD.
Other Protective Equipment: USE A NIOSH/MSHA APPROVED DUST RESPIRATOR WHEN
SANDING THESE PRODUCTS IF OCCUPATIONAL EXPOSURE LIMITS ARE EXCEEDED.
Work Hygienic Practices: N/K (FP N)
Suppl. Safety & Health Data: SPILL RELEASE:HAS ENTERED/MAY ENTER SEWER,
WATERCOURSE OR EXTENSIVE LAND AREAS.

=====

Transportation Data

=====

Transportation Action Code:
Transportation Focal Point: N
Trans Data Review Date: 88355
DOT PSN Code: LFE
DOT Symbol:

Report for NIIN: 00N010453

DOT Proper Shipping Name: PAINT
DOT Class: 3
DOT ID Number: UN1263
DOT Pack Group: III
DOT Label: FLAMMABLE LIQUID
DOT/DoD Exemption Number: N/R
IMO PSN Code: LCT
IMO Proper Shipping Name: PAINT OR PAINT RELATED MATERIAL
IMO Regulations Page Number: 3372
IMO UN Number: 1263
IMO UN Class: 3.3
IMO Subsidiary Risk Label: -
IATA PSN Code: SXH
IATA UN ID Number: 1263
IATA Proper Shipping Name: PAINT
IATA UN Class: 3
IATA Subsidiary Risk Class:
IATA Label: FLAMMABLE LIQUID
AFI PSN Code: SXH
AFI Symbols:
AFI Prop. Shipping Name: PAINT OR PAINT RELATED MATERIAL

AFI Class: 3
 AFI ID Number: UN1263
 AFI Pack Group: III
 AFI Label:
 AFI Special Prov:
 AFI Basic Pac Ref:
 MMAC Code:
 N.O.S. Shipping Name:
 Additional Trans Data: CONTAINER ASSUMED TO BE UNDER 110 GALLONS.

=====

Disposal Data

=====

Disposal Data Action Code:
 Disposal Data Focal Point: E
 Disposal Data Review Date: 89286
 Rec # For This Disp Entry: 01
 Tot Disp Entries Per NSN: 001
 Landfill Ban Item: YES
 Disposal Supplemental Data: BP:189.4-198.9C.PH:N/K (FP N).RTE ENTRY:N/K
 (FP N).SPILL RELEASE:HAS ENTERED/MAY ENTER SEWER,WTRCOURSE,/EXTEN LAND
 AREA. IN CASE OF ACCIDENTAL EXPOSURE OR DISCHARGE, CONSULT HEALTH AND
 SAFETY FILE FOR PRECAUTIONS.
 1st EPA Haz Wst Code New: D001
 1st EPA Haz Wst Name New: IGNITIBLE
 1st EPA Haz Wst Char New: IGNITABILITY
 1st EPA Acute Hazard New: NO
 2nd EPA Haz Wst Code New:
 2nd EPA Haz Wst Name New:
 2nd EPA Haz Wst Char New:
 2nd EPA Acute Hazard New:
 3rd EPA Haz Wst Code New:
 3rd EPA Haz Wst Name New:

Report for NIIN: 00N010453

3rd EPA Haz Wst Char New:
 3rd EPA Acute Hazard New:

=====

Label Data

=====

Label Required: YES
 Technical Review Date: 07OCT92
 Label Date: 07OCT92
 MFR Label Number:
 Label Status: G
 Common Name: EASYPOXY PLATINUM, 3711
 Chronic Hazard: NO
 Signal Word: WARNING!
 Acute Health Hazard-None:
 Acute Health Hazard-Slight:
 Acute Health Hazard-Moderate: X
 Acute Health Hazard-Severe:
 Contact Hazard-None:
 Contact Hazard-Slight: X
 Contact Hazard-Moderate:
 Contact Hazard-Severe:
 Fire Hazard-None:
 Fire Hazard-Slight:
 Fire Hazard-Moderate: X
 Fire Hazard-Severe:
 Reactivity Hazard-None: X

Reactivity Hazard-Slight:
Reactivity Hazard-Moderate:
Reactivity Hazard-Severe:
Special Hazard Precautions: COMBUSTIBLE LIQUID. OSHA CLASS II. AVOID
OXIDIZERS. ACUTE:VAPORS MAY CAUSE DIZZINESS, HEADACHE, GIDDINESS, NAUSEA,
UNCONSCIOUSNESS. PROLONGED OR REPEATED LIQUID CONTACT WILL DEFAT & DRY SKIN
LEADING TO DERMATITIS. CHRONIC:NONE SPECIFIED BY MANUFACTURER.
Protect Eye: Y
Protect Skin: Y
Protect Respiratory: Y
Label Name: PETTIT PAINT CO INC
Label Street: 36 PINE ST
Label P.O. Box:
Label City: ROCKAWAY
Label State: NJ
Label Zip Code: 07866-3131
Label Country: US
Label Emergency Number: 800-548-0489
Year Procured:

DOD Hazardous Materials Information System
DoD 6050.5-L
AS OF July 1998

FSC: 8010
NIIN: 011154745
Manufacturer's CAGE: 11111
Part No. Indicator: A
Part Number/Trade Name: EASYPOXY WHITE, 3175

=====
General Information
=====

Item Name:
Company's Name: PETTIT PAINT COMPANY, INC.
Company's Street: 36 PINE STREET
Company's P. O. Box:
Company's City: BOROUGH OF ROCKAWAY
Company's State: NJ
Company's Country: US
Company's Zip Code: 07866
Company's Emerg Ph #: 800-548-0489
Company's Info Ph #: 201-625-3100
Distributor/Vendor # 1:
Distributor/Vendor # 1 Cage:
Distributor/Vendor # 2:
Distributor/Vendor # 2 Cage:
Distributor/Vendor # 3:
Distributor/Vendor # 3 Cage:
Distributor/Vendor # 4:
Distributor/Vendor # 4 Cage:
Safety Data Action Code:
Safety Focal Point: N
Record No. For Safety Entry: 001
Tot Safety Entries This Stk#: 002
Status:
Date MSDS Prepared: 16MAY89
Safety Data Review Date: 07JAN93
Supply Item Manager: GSA
MSDS Preparer's Name:
Preparer's Company:
Preparer's St Or P. O. Box:
Preparer's City:
Preparer's State:
Preparer's Zip Code:
Other MSDS Number:
MSDS Serial Number: BGMLG
Specification Number:
Spec Type, Grade, Class:
Hazard Characteristic Code: NK
Unit Of Issue: NK
Unit Of Issue Container Qty: N/K
Type Of Container: N/K
Net Unit Weight:

Report for NIIN: 011154745

NRC/State License Number:
Net Explosive Weight:
Net Propellant Weight-Ammo:
Coast Guard Ammunition Code:

=====
Ingredients/Identity Information
=====

=====

Proprietary: NO
 Ingredient: ALIPHATIC SOLVENT NAPHTHA (PETROLEUM); (MINERAL SPIRITS). VP:
 10. LD50:(ORAL,RAT) >25 ML/KG.
 Ingredient Sequence Number: 01
 Percent: 25-35
 Ingredient Action Code:
 Ingredient Focal Point: N
 NIOSH (RTECS) Number: 1003692SN
 CAS Number: 64742-88-7
 OSHA PEL: NOT APPLICABLE
 ACGIH TLV: NOT APPLICABLE
 Other Recommended Limit: 100 PPM (MFR)

Proprietary: NO
 Ingredient: RUTILE; (TITANIUM DIOXIDE). LD50:(ORAL,RAT) >9500 MG/KG.
 Ingredient Sequence Number: 02
 Percent: 0-35
 Ingredient Action Code:
 Ingredient Focal Point: N
 NIOSH (RTECS) Number: VM2940000
 CAS Number: 1317-80-2
 OSHA PEL: 10 MG/M3
 ACGIH TLV: 10 MG/M3
 Other Recommended Limit: N/K

Proprietary: NO
 Ingredient: CARBON BLACK
 Ingredient Sequence Number: 03
 Percent: 0-4
 Ingredient Action Code:
 Ingredient Focal Point: N
 NIOSH (RTECS) Number: FF5800000
 CAS Number: 1333-86-4
 OSHA PEL: 3.5 MG/M3
 ACGIH TLV: 3.5 MG/M3
 Other Recommended Limit: N/K

Proprietary: NO
 Ingredient: CALCIUM CARBONATE
 Ingredient Sequence Number: 04
 Percent: 0-20
 Ingredient Action Code:
 Ingredient Focal Point: N
 NIOSH (RTECS) Number: EV9580000
 CAS Number: 1317-65-3
 OSHA PEL: 15MG/M3 TDUST;5 RESP

Report for NIIN: 011154745

ACGIH TLV: 10 MG/M3
 Other Recommended Limit: N/K

Proprietary: NO
 Ingredient: SUPDAT:THERE IS NO SPECIFIC ANTIDOTE FOR EFTS FROM OVEREXP TO
 MATL. TREATMENT SHOULD BE DIRECTED @ CTL OF SYMP (ING 6)
 Ingredient Sequence Number: 05
 Percent: N/K
 Ingredient Action Code:
 Ingredient Focal Point: N
 NIOSH (RTECS) Number: 9999999ZZ

CAS Number:
 OSHA PEL: N/K (FP N)
 ACGIH TLV: N/K (FP N)
 Other Recommended Limit: N/K

 Proprietary: NO
 Ingredient: ING 5:AND CLINICAL CONDITION.
 Ingredient Sequence Number: 06
 Percent: N/K
 Ingredient Action Code:
 Ingredient Focal Point: N
 NIOSH (RTECS) Number: 9999999ZZ
 CAS Number:
 OSHA PEL: N/K (FP N)
 ACGIH TLV: N/K (FP N)
 Other Recommended Limit: N/K

=====

Physical/Chemical Characteristics

=====

Appearance And Odor: N/K (FP N)
 Boiling Point: >373F,>189C
 Melting Point: N/K (FP N)
 Vapor Pressure (MM Hg/70 F): SEE ING 1
 Vapor Density (Air=1): HV THN AIR
 Specific Gravity: 1.08-1.50(FP N)
 Decomposition Temperature: N/K (FP N)
 Evaporation Rate And Ref: SLOWER THAN ETHER
 Solubility In Water: N/K (FP N)
 Percent Volatiles By Volume: 40-50
 Viscosity:
 pH: N/K
 Radioactivity:
 Form (Radioactive Matl):
 Magnetism (Milligauss): N/P
 Corrosion Rate (IPY): N/K-FP N
 Autoignition Temperature:

=====

Fire and Explosion Hazard Data

=====

Flash Point: 105F/40.6C
 Flash Point Method: TCC
 Lower Explosive Limit: 1

Report for NIIN: 011154745

Upper Explosive Limit: N/K (FP N)
 Extinguishing Media: FOAM, CO*2, DRY CHEMICAL, WATER FOG. DO NOT USE A
 DIRECT STREAM OF WATER. PRODUCT WILL FLOAT & CAN BE REIGNITED.
 Special Fire Fighting Proc: USE NIOSH/MSHA APPROVED SCBA & FULL PROTECTIVE
 EQUIPMENT (FP N).
 Unusual Fire And Expl Hazrds: CONTAINERS EXPOSED TO INTENSE HEAT FROM
 FIRES SHOULD BE COOLED W/WATER TO PREVENT VAPOR PRESSURE BUILDUP, WHICH
 COULD RESULT IN CONTAINER RUPTURE.

=====

Reactivity Data

=====

Stability: YES
 Cond To Avoid (Stability): NONE
 Materials To Avoid: STRONG OXIDANTS LIKE LIQUID CHLORINE, CONCENTRATED
 OXYGEN, SODIUM/CALCIUM HYPOCHLORITE.
 Hazardous Decomp Products: FUMES, SMOKE & CARBON MONOXIDE, IN THE CASE OF

INCOMPLETE COMBUSTION.
 Hazardous Poly Occur: NO
 Conditions To Avoid (Poly): NOT RELEVANT

=====

Health Hazard Data

=====

LD50-LC50 Mixture: SEE INGREDIENTS.
 Route Of Entry - Inhalation: YES
 Route Of Entry - Skin: NO
 Route Of Entry - Ingestion: YES
 Health Haz Acute And Chronic: SEE SIGNS & SYMPTOMS OF OVEREXPOSURE SECTION (FP N).
 Carcinogenicity - NTP: NO
 Carcinogenicity - IARC: NO
 Carcinogenicity - OSHA: NO
 Explanation Carcinogenicity: NOT RELEVANT.
 Signs/Symptoms Of Overexp: INHALATION OF HIGH VAPOR CONCENTRATIONS MAY HAVE RESULTS RANGING FROM DIZZINESS, HEADACHES, GIDDINESS, NAUSEA TO UNCONSCIOUSNESS. PROLONG/REPEATED LIQUID CONTACT W/SKIN WILL DRY & DEFAT SKIN, LEADING TO IRRITATION & DERMATITIS.
 Med Cond Aggravated By Exp: N/K (FP N)
 Emergency/First Aid Proc: EYE: IMME FLUSH W/LGE AMTS OF WATER FOR AT LEAST 15 MIN OR UNTIL IRRITATION SUBSIDES. INGES: DO NOT INDUCE VOM, CALL PHYS. IF VOM OCCUR, KEEP HEAD BELOW HIPS TO KEEP LIQ OUT OF LUNGS. SKIN: REMOVE ANY CONTAM CLTHNG, & WASH SKIN W/ SOAP & WATER. INHALATION: REMOVE FROM EXPOSURE IMMEDIATELY. IF BREATHING IS IRREGULAR/STOPPED, START RESUSCITATION, ADMINISTER OXYGEN. CALL A PHYSICIAN.

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Precautions for Safe Handling and Use

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Steps If Matl Released/Spill: RMOV ALL IGN SOURCE. KEEP PEOPLE AWAY. RCOVR FREE LIQ. ADD ABSOR(SAND, EARTH, SAWDUST, ETC.) TO SPILL AREA. AVOID BRTHNG VAPR. VENT CONFINED SPACE. OPEN ALL WINDOW & DOOR. KEEP PETRO PROD OUT OF SEWR & WTRCOURSE BY DIKNG/IMPOUNDNG. ADVISE AUTH IF PROD (SUP DAT)
 Neutralizing Agent: NONE SPECIFIED BY MANUFACTURER.
 Waste Disposal Method: DISPOSAL MUST BE I/A/W FEDERAL, STATE & LOCAL REGULATIONS (FP N). ASSURE CONFORMITY W/APPLICABLE DISPOSAL REGULATIONS.

Report for NIIN: 011154745

DISPOSE OF ABSORBED MATERIAL AT AN RCRA APPROVED DISPOSAL SITE OR FACILITY.
 Precautions-Handling/Storing: KEEP CONTAINERS CLOSED WHEN NOT IN USE. DO NOT HANDLE/STORE NEAR HEAT, SPARK, FLAME/STRONG OXIDANTS.
 Other Precautions: NONE

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Control Measures

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Respiratory Protection: USE A NIOSH/MSHA APPROVED HYDROCARBON VAPOR CANNISTER/SUPPLIED-AIR RESPIRATORY PROTECTION IN CONFINED/ENCLOSED PLACES IF OCCUPATIONAL EXPOSURE LIMITS ARE EXCEEDED.
 Ventilation: EXHAUST AT OVER 60 FPM.
 Protective Gloves: USE CHEMICAL RESISTANT TYPE.
 Eye Protection: CHEMICAL WORKERS GOGGLES (FP N).
 Other Protective Equipment: USE A NIOSH APPROVED DUST RESPIRATOR WHEN SANDING THESE PRODUCTS IF OCCUPATIONAL EXPOSURE LIMITS ARE EXCEEDED.
 Work Hygienic Practices: N/K (FP N)
 Suppl. Safety & Health Data: SPILL PROC: HAS ENTERED OR MAY ENTER SEWER, WATERCOURSE OR EXTENSIVE LAND AREAS.

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Transportation Data

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Transportation Action Code:
 Transportation Focal Point: N
 Trans Data Review Date: 88355
 DOT PSN Code: LFE
 DOT Symbol:
 DOT Proper Shipping Name: PAINT
 DOT Class: 3
 DOT ID Number: UN1263
 DOT Pack Group: III
 DOT Label: FLAMMABLE LIQUID
 DOT/DoD Exemption Number: N/R
 IMO PSN Code: LCT
 IMO Proper Shipping Name: PAINT OR PAINT RELATED MATERIAL
 IMO Regulations Page Number: 3372
 IMO UN Number: 1263
 IMO UN Class: 3.3
 IMO Subsidiary Risk Label: -
 IATA PSN Code: SXH
 IATA UN ID Number: 1263
 IATA Proper Shipping Name: PAINT
 IATA UN Class: 3
 IATA Subsidiary Risk Class:
 IATA Label: FLAMMABLE LIQUID
 AFI PSN Code: SXH
 AFI Symbols:
 AFI Prop. Shipping Name: PAINT OR PAINT RELATED MATERIAL
 AFI Class: 3
 AFI ID Number: UN1263
 AFI Pack Group: III
 AFI Label:
 AFI Special Prov:
 AFI Basic Pac Ref:

Report for NIIN: 011154745

MMAC Code:
 N.O.S. Shipping Name:
 Additional Trans Data: CONTAINERS ASSUMED TO BE UNDER 110 GALLONS.

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Disposal Data

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Disposal Data Action Code:
 Disposal Data Focal Point:
 Disposal Data Review Date:
 Rec # For This Disp Entry:
 Tot Disp Entries Per NSN:
 Landfill Ban Item:
 Disposal Supplemental Data:
 1st EPA Haz Wst Code New:
 1st EPA Haz Wst Name New:
 1st EPA Haz Wst Char New:
 1st EPA Acute Hazard New:
 2nd EPA Haz Wst Code New:
 2nd EPA Haz Wst Name New:
 2nd EPA Haz Wst Char New:
 2nd EPA Acute Hazard New:
 3rd EPA Haz Wst Code New:
 3rd EPA Haz Wst Name New:
 3rd EPA Haz Wst Char New:
 3rd EPA Acute Hazard New:

=====

Label Data

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Label Required: YES
Technical Review Date: 07JAN93
Label Date: 07JAN93
MFR Label Number:
Label Status: G
Common Name:
Chronic Hazard: NO
Signal Word: WARNING!
Acute Health Hazard-None:
Acute Health Hazard-Slight:
Acute Health Hazard-Moderate: X
Acute Health Hazard-Severe:
Contact Hazard-None:
Contact Hazard-Slight: X
Contact Hazard-Moderate:
Contact Hazard-Severe:
Fire Hazard-None:
Fire Hazard-Slight:
Fire Hazard-Moderate: X
Fire Hazard-Severe:
Reactivity Hazard-None: X
Reactivity Hazard-Slight:
Reactivity Hazard-Moderate:
Reactivity Hazard-Severe:
Special Hazard Precautions: COMBUSTIBLE. AVOID OXIDIZERS. ACUTE:VAPORS MAY

Report for NIIN: 011154745

CAUSE DIZZINESS, HEADACHE, GIDDINESS, NAUSEA, UNCONSCIOUSNESS. LIQUID MAY
CAUSE DRYING OR DEFATTING OF SKIN, IRRITATION, DERMATITIS. CHRONIC:NONE
SPECIFIED BY MANUFACTURER.

Protect Eye: Y
Protect Skin: Y
Protect Respiratory: Y
Label Name: PETTIT PAINT CO INC
Label Street: 36 PINE ST
Label P.O. Box:
Label City: ROCKAWAY
Label State: NJ
Label Zip Code: 07866-3131
Label Country: US
Label Emergency Number: 800-548-0489
Year Procured:

MATERIAL SAFETY DATA SHEET

Page 1 of 2

PRODUCT NAME: EQUIPMENT ENAMEL
PRODUCT CODE: 9073
 JERZY BLACK

H M I S CODE: H 3 F 3 R 0 P
 OIL

SECTION I - MANUFACTURING IDENTIFICATION

MANUFACTURING'S NAME: Miller Paint Co., Inc
ADDRESS: 12812 N.E. Whitaker Way, Portland, OR 97230
NAME OF PREPARER:: Buckinger/Serra
DATE OF PREPARATION: 5/17/1999
D.O.T. CLASSIFICATION PAINT

EMERGENCY PHONE: (800) 424-9300
INFORMATION PHONE: (503) 255-0190

DATE REVISED: 5/24/1999
CLASS: 3 **UN:** 1263 **PACKING GROUP:** III

SECTION II - HAZARDOUS INGRDIENTS/SARA III INFORMATION

HAZARDOUS COMPONENTS	CAS#	OCCUPATION EXPOSURE LIMITS			VAPOR PRESSURE		Weight Percent
		OSHA TWA	ACGIH TWA	OSHA STEL	mmHg @	TEMP	
Isopropyl Alcohol	67-63-0	400 ppm	400 ppm	500 ppm	33	68F	< 10
*Xylene	1330-20-7	100 ppm	100 ppm	150 ppm	6.0	68F	< 5
Calcium Carbonate (d)	1317-65-3	10mg/m3	10mg/m3	None	N/A	N/A	< 10
Solvent Naptha, Light Aromatic	64742-95-6	25 ppm	25 ppm	150 ppm	2.7	68F	< 10
VM&P Naptha	8032-32-4	300 ppm	300 ppm	225 ppm	26	77F	30 - 40
Iron Oxide (d)	1309-37-1	10mg/m3	10mg/m3	None	N/A	N/A	< 10

*** No toxic chemical(s) subject to the reporting requirements of section 313 of Title III and of 40 CFR 372 are present ***.

(d) Hazardous as dust when product is sanded

CARCINOGENICITY: NO **IARC MONOGRAPHS?** NO **OSHA REGULATED?** NO

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING RANGE: 181 to 360 Deg F **POUNDS PER GALLON** 8.10 **SPECIFIC GRAVITY (H20=1)** 1.0
VAPOR DENSITY: HEAVIER THAN AIR **EVAPORATION RATE:** SLOWER THAN ETHER
SOLUBILITY IN WATER: N/A **APPEARANCE AND ODOR:** N/A

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: 75 Deg F **METHOD USED:** SETAFLASH
FLAMMABLE LIMITS IN AIR BY VOLUME - LOWER: 1.0% **UPPER:** 12.7%
EXTINGUISHING MEDIA: FOAM, ALCOHOL FOAM, CO2, DRY CHEMICAL, WATER FOG

SPECIAL FIRE FIGHTING PROCEDURES

Keep people away. Do not enter confined fire space without proper protective equipment including NIOSH approved self-contained breathing apparatus. Cool closed containers with water. Avoid spreading burning liquid with water.

UNUSUAL FIRE AND EXPLOSIVE HAZARDS

"Closed containers may explode when exposed to heat. Isolate from heat, sparks and electrical equipment. Application to hot surfaces requires special precautions. Solvent vapors can travel to an ignition source and flash. Mists may be combustible at temperature below normal flash point. During emergency conditions, decomposition of products may cause a xc health hazard."

N/A = Not Applicable

Date Printed Tuesday, February 13, 2001

SECTION V - REACTIVITY DATA

Stability: Stable

CONDITIONS TO AVOID: "Oxidizing materials, high temperatures or extreme heat."

INCOMPATIBILITY (MATERIAL TO AVOID): May react with oxidizing materials. Avoid hot surfaces, sparks and open

HAZARDOUS DECOMPOSITION OR BYPRODUCTS:

Oxides of carbon, possible low molecular weight hydrocarbons, hydrogen cyanide, toluene diisocyanate or acrolein.

HAZARDOUS POLYMERIZATION: Will not occur

SECTION VI - HEALTH HAZARD DATA**INHALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE:**

Excessive inhalation of vapors or sprays can cause nasal and respiratory irritation, dizziness, incoordination, weakness, fatigue, nausea & headache. High concentration may result in central nervous system depression.

SKIN AND EYE CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE:

Skin: Prolonged or repeated exposure can cause moderate irritation, defatting and dermatitis.

Eyes: Severe irritation, redness, tearing and blurred vision.

SKIN ABSORPTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE:

"May cause irritation, drying or defatting of the skin."

INGESTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE:

"Can cause gastrointestinal irritation, nausea, vomiting and diarrhea. Aspiration of material into lungs can cause chemical pneumonitis

HEALTH HAZARDS (ACUTE AND CHRONIC) INCLUDING TARGET ORGANS::

"Chronic exposure to the hazardous materials contained in this product (see section II) may cause damage to the central nervous

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: Any respiratory or skin condition may be aggravate.

EMERGENCY AND FIRST AID PROCEDURES:

Inhalation: Remove to fresh air. Apply artificial respiration or administer oxygen if necessary. Consult physician. Splash (eyes): Flush immediately with large amounts of water for at least 15 minutes. Take to physician for treatment. Splash (eyes): Flush immediately with large amounts of water for at least 15 minutes. Take to physician for treatment. Splash (skin): Wash with soap and water.

Remove contaminated clothing. Consult physician if irritation persists. Ingestion: Keep person warm, quiet and get immediate medical attention. DO NOT induce vomiting because aspiration of material into the lungs can cause chemical pneumonitis which can be fatal.

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:**

"Keep unnecessary people away. Clean up spills as soon as possible. Eliminate all sources of ignition. Use non-sparking tools.

Ventilate area and wear proper protective equipment. Dike and contain spill with inert material (clay, sand, etc.)."

WASTE DISPOSAL METHOD:

Place in non-leaking containers, seal tightly and label properly for disposal. A fire or health hazard may still exist since absorbent materials will only absorb liquid; they will not absorb vapors or spray mist. Observe all federal, state and local regulations concerning disposal of hazardous waste.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:

Keep containers closed when not in use. Store and use only in well ventilated areas. Do not store or use near heat, spark open flame or oxidizers. Avoid breathing vapors or spray mist. Avoid eye or skin contact. Wash thoroughly after handling. Never transfer material to an unlabeled container.

OTHER PRECAUTIONS:

Read and observe precautions on product label and this sheet. Keep out of reach of children. Empty containers may be hazardous from residues of product and vapor and all caution of this sheet apply to them.

SECTION VIII - CONTROL MEASURES**RESPIRATORY PROTECTION:**

Use self-contained breathing apparatus where vapor concentration may be above Threshold Limit Value (TLV) or for spray application. Below the TLV limits, use a NIOSH-approved vapor respirator or an air line respirator with escape bottle provisions. If exposure data is lacking, assume TLV is exceeded.

Ventilation:

Local exhaust must be sufficient to keep airborne vapor concentrations below TLV limit. Provide adequate ventilation (with explosion proof equipment) to maintain exposure below TLV.

PROTECTIVE GLOVES: Use solvent resistant gloves to prevent contact.

EYE PROTECTION: "Safety eyewear including splash guards, chemical goggles or face shields recommended (required for spray

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Remove contaminated clothing and allow solvent to evaporate before re-use.

WORK / HYGIENIC PRACTICES: "Wash hands after handling material and before eating, drinking, smoking or using the washroom."

SECTION IX - DISCLAIMER

The information contained in this Material Safety Data Sheet is based on the data available to us and is believed to be correct.

However, we assume no responsibility for any inaccuracies that may subsequently be proven. Purchaser assumes all risk in his use of the material even when recommended safety procedures are followed.

N/A = Not Applicable

Date Printed

Tuesday, February 13, 2001

MATERIAL SAFETY DATA SHEET

Page 01 of 05

Extend Rust Treatment
75430

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: Extend Rust Treatment
Item No.: 75430
Product Type: Acid-Modified Emulsion

2. COMPOSITION, INFORMATION ON INGREDIENTS

Ingredients	CAS No.	%
Water	7732-18-5	45-50
Vinylidene-acrylic copolymer	Proprietary	35-40
Barium sulfate	7727-43-7	5-10
2-BUTOXYETHANOL*	111-76-2	1-3
Organic acid	Proprietary	1-3
Propylene glycol	57-55-6	1-3
SILICA, AMORPHOUS, FUMED, CRYSTALLINE-FREE	112945-52-5	1-3

* This component is listed as a SARA Section 313 Toxic Chemical.

Ingredients which have exposure limits

Exposure Limits (TWA) Ingredients	ACGIH (TLV)	OSHA (PEL)	OTHER
Barium sulfate	10 mg/m3 dust	10 mg/m3 dust 5 mg/m3 respir.	None
2-BUTOXYETHANOL	20 ppm	50 ppm TWA skin 120mg/m3 skin	None
SILICA, AMORPHOUS, FUMED, CRYSTALLINE-FREE	10 mg/m3 TWA	6 mg/m3 TWA	3 mg/m3 TWA resp. dust

Exposure Limits (STEL) Ingredients	ACGIH (TLV)	OSHA (PEL)
---------------------------------------	----------------	---------------

3. HAZARDS IDENTIFICATION

Toxicity: May irritate eyes and skin. High vapor concentration may irritate respiratory tract. May cause gastric disturbances if swallowed. Exposure to butoxyethanol can cause nausea, dizziness, vomiting, malaise, incoordination, diarrhea, weakness, eye redness, and swelling of the conjunctiva. The organic acid can irritate the nose and throat upon inhalation. The low

MATERIAL SAFETY DATA SHEET

Page 02 of 05

Product Name: Extend Rust Treatment
Item No.: 75430

3. HAZARDS IDENTIFICATION

(continued)

concentration of these components minimizes the probability that these symptoms may occur.
Primary Routes of Entry: None known
Signs and Symptoms of Exposure: Irritation of eyes and skin. Skin may be stained contact.
Existing Conditions
Aggravated by Exposure: Butoxyethanol: dermatitis

Ingredients	Literature Referenced	Carcinogen		
	Target Organ and Other Health Effects	NTP	IARC	OSHA
Water	NTO	NO	NO	NO
Vinylidene-acrylic copolymer	No Data	NO	NO	NO
Barium sulfate	LUN	NO	NO	NO
2-BUTOXYETHANOL	AC3 BLO CNS IRR KID LIV	NO	NO	NO
Organic acid	BLO COR IRR KID LIV	NO	N/A	NO
Propylene glycol	IRR	NO	NO	NO
SILICA, AMORPHOUS, FUMED, CRYSTALLINE-FREE	NUI	NO	N/A	NO

Abbreviations

N/A Not Applicable	AC3 ACGIH animal carcinogen.
BLO Blood	CNS Central nervous system
COR Corrosive	IRR Irritant
KID Kidney	LIV Liver
LUN Lung	NTO No Target Organs
NUI Nuisance dust	

4. FIRST AID MEASURES

Ingestion: Do not induce vomiting. Keep individual calm. Obtain medical attention.
Inhalation: Remove to fresh air. If symptoms persist seek medical attention
Skin Contact: Flush with water at once to avoid staining skin; then wash with soap and water.
Eye Contact: Flush at least 15 minutes with water. Obtain medical attention.

5. FIRE FIGHTING MEASURES

Flash Point: None - aqueous medium Method: Tag Closed Cup
Recommended
Extinguishing Agents: Carbon dioxide, foam, dry chemical

MATERIAL SAFETY DATA SHEET

Page 03 of 05

Product Name: Extend Rust Treatment
Item No.: 75430

5. FIRE FIGHTING MEASURES

(continued)

Special Firefighting

Procedures: Not available

Hazardous Products formed

by Fire or Thermal Decomp Irritating organic vapors, oxides of carbon, toxic
gases such as hydrogen chloride

Unusual Fire or

Explosion Hazards: None

Explosive Limits:

(% by volume in air)Lower Butoxyethanol: 1.1%

(% by volume in air)Upper Butoxyethanol: 10.6%

6. ACCIDENTAL RELEASE MEASURES

Steps to be taken in case

of spill or leak: Clean up with detergent and water.

7. HANDLING AND STORAGE

Safe Storage:

Store between 40-105°F

(Contact Loctite Customer Service 1-800-243-4874 for shelf life information)

Handling:

Avoid skin contact. Keep away from eyes.

8. EXPOSURE CONTROLS, PERSONAL PROTECTION

Eyes:

Safety glasses or goggles.

Skin:

Impermeable rubber or plastic gloves.

Ventilation:

Normal ventilation is adequate for occasional use.
For continuous or spray application, provide
local exhaust ventilation.

Respiratory

Not available

See Section 2 for Exposure Limits.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:

Milky liquid

Odor:

Mild

Boiling Point:

Approximately 212°F

pH:

1.95

Solubility in Water:

Water-based

Specific Gravity

1.202

Volatile Organic Compound

(EPA Method 24)

110 grams of VOC per liter of coating

Vapor Pressure:

Approximately 24 mm

Vapor Density:

1.2

Evaporation Rate

(Ether = 1)

Not available

MATERIAL SAFETY DATA SHEET

Page 04 of 05

Product Name: Extend Rust Treatment
Item No.: 75430

10. STABILITY AND REACTIVITY

Stability: Stable
Hazardous Polymerization: Will not occur
Incompatibility: Strong bases will coagulate resin; strong oxidizers.
Conditions to Avoid: Not available
Hazardous Decomposition
Products (non-thermal): None

11. TOXICOLOGICAL INFORMATION

Estimated oral LD50 more than 5000 mg/kg.
Estiamted dermal LD50 more than 2000 mg/kg.

12. ECOLOGICAL INFORMATION

No data available

13. DISPOSAL CONSIDERATIONS

Recommended methods of disposal: Incinerate following EPA and local regulations.
EPA Hazardous Waste Number D002 - Hazardous waste per 40CFR 261.22

14. TRANSPORTATION INFORMATION

DOT (49 CFR 172)

Domestic Ground Transport

Proper Shipping Name: Unrestricted
Hazard Class or Division: Unrestricted
Identification Number: None
Marine Pollutant: None

IATA

Proper Shipping Name: Unrestricted
Class or Division: Unrestricted
UN or ID Number: None

15. REGULATORY INFORMATION

CA Proposition 65: WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.
Ethylene oxide, 2,ethoxy-ethanol

MATERIAL SAFETY DATA SHEET

Page 05 of 05

Product Name: Extend Rust Treatment
Item No.: 75430

16. OTHER INFORMATION

Estimated NFPA(R) Code:

Health Hazard: 1
Fire Hazard: 1
Reactivity Hazard: 0
Specific Hazard: Does not apply

Estimated HMIS(R) Code:

Health Hazard: 1*
Flammability Hazard: 1
Reactivity Hazards: 0
Personal Protection: See Section 8.

NFPA is a registered trademark of the National Fire Protection Assn.
HMIS is a registered trademark of the National Paint and Coatings Assn.

Prepared By: Kyra Kozak Woods
Title: Health and Regulatory Affairs Specialist
Company: Henkel Loctite Corporation, Rocky Hill CT 06067
(24hr.) Phone: (860) 571-5100
Revision Date: October 21, 2004 Revision: 0006

Post-it® Fax Note	7671	Date	# of pages
To	John Deere	From	3
Co./Dept.		Co.	
Phone #		Phone #	
Fax #		Fax #	

John Deere
8503-40,410
TY22040 (end 8/96)
TY24770, TY24771

Sheet 1 of 3
Date: 11/10/97
Revision: 1

FLUID FILM® NON-AEROSOL (NAS)**1. Identification of the Substance/Preparation & Supplier**

Name of Manufacturer/Supplier:
Eureka Chemical Company

Address & Phone No.
234 Lawrence Avenue
South San Francisco, CA 94080
USA
Tel: (650)761-3536 Fax: (650)589-1943

24 Hour Telephone
Chemtrec (800) 424-9300

Product Name: FLUID FILM® NON-AEROSOL (NAS)
Product Type: Liquid, Lubricant, Corrosion Inhibitor

2. Composition/Information on Ingredients

Contains no solvents or known carcinogens.
Hazardous components: CAS No.
Petroleum Oil Mist 64742-65-0
(Only when sprayed)

3. Hazards Information

Eye Contact: May cause mild irritation.
Skin Contact: Prolonged contact could cause irritation.
Inhalation: Prolonged exposure to mist without benefit of protective gear may irritate respiratory tract.
Ingestion: No information available.

4. First Aid Measures

Eye Contact: Flush with plenty of clean water for at least 15 minutes. If irritation persists, obtain medical attention.
Skin Contact: Wipe excess material from the skin with a cloth, followed by washing with soap and water. A waterless skin cleanser is beneficial in removing the material from the skin.
Inhalation: If respiratory symptoms develop, move victim away from source of exposure and into fresh air. If symptoms persist, seek medical attention.
Ingestion: If symptoms develop, seek medical attention.

Product Name FLUID FILM® NON- AEROSOL (NAS)**Product Type:** Liquid, Lubricant, Corrosion Inhibitor

Sheet 2 of 3

Date: 11/10/97

Revision: 1

5. Fire Fighting Measures

Flammability: Combustible, will not readily ignite.

Extinguishing Media: Extinguish with dry chemical, CO₂, water spray, foam, sand or earth. Water and foam may cause frothing.

Special Considerations: No special considerations. Fire fighters should enter area wearing positive pressure respiratory protection.

6. Accidental Release Measures

Do not allow product to enter drains or water courses. Transfer bulk of material into another container. Absorb remaining residue with proper absorbents such as earth or vermiculite. Sweep up and dispose of as solid waste in accordance with applicable regulations.

7. Handling and Storage

Storage Temperature: 0 - 49°C

Storage Precautions: No special requirements. Keep in closed containers.

Handling: Avoid contact with skin and eyes. Observe good standards of industrial hygiene.

8. Exposure Controls/Personal Protection

Engineering Measures: Provide forced air ventilation when applying in confined spaces.

Respiratory Protection: Use approved respirator with organic vapor cartridges.

Eyes: Chemical eye goggles.

Hand: Non-natural, non-butyl rubber gloves are recommended.

Skin: Use protective clothing. Remove contaminated clothing and wash the affected area with soap and water.

Exposure Limits: Not determined.

9. Typical Physical and Chemical Properties

Appearance: Straw colored liquid. **Odor:** Mild piney odor (less propellant). **Water Solubility:** Not soluble. **pH Neat:** 7.8 **Specific Gravity (25°C):** 0.880 **Freezing Point:** Not determined. **Vapor Pressure:** Not determined. **Boiling Point:** Not determined. **Flash Point:** 207°C (COC).

10. Stability and Reactivity

Stability: Stable under normal conditions. Hazardous polymerization will not occur.

Hazardous Decomposition Products: Combustion can produce a variety of compounds including oxides of sulfur, oxides of carbon, water vapor and unidentified organic and inorganic compounds, some of which may be toxic.

Conditions to Avoid: Exposed flames, high temperature sources and strong oxidizers.

Product Name: FLUID FILM® NON-AEROSOL (NAS)
Product Type: Liquid, Lubricant, Corrosion Inhibitor

Sheet 3 of 3
Date: 11/10/97
Revision: 1

11. Toxicological Information

LD50 (Animal/Oral): Greater than 14 Grams/Kilogram

Health Effects:

Eyes: Minimally irritating.

Skin: Prolonged contact could cause skin irritation.

Inhalation: Excessive exposure due to lack of protective gear or proper ventilation could result in pulmonary abnormalities.

Ingestion: Ingestion of this product is not regarded as a significant health hazard likely to arise in normal use.

12. Ecological Information

No data available.

13. Disposal Recommendations

Product should be disposed of via authorized waste disposal contractors in accordance with all local and national regulations.

14. Transportation Information

Non-hazardous.

15. Regulatory Information

Safety Phrases: Children can fall into bucket and drown. Keep children away from buckets containing even a small amount of water.
Keep out of reach of children.

16. Other Information

Do not mix with other chemicals.

This data sheet does not constitute an assessment of the workplace risks as required under the provisions of the Health & Safety at Work act and the Control of Substances Hazardous to Health (COSHH).

Legal Disclaimer: The information supplied above is based upon the present state of our knowledge of the product at the time of publication. It is given in good faith and no warranty is implied with respect to the specification or quality of the product. The user must satisfy himself that the product is entirely suitable for his purpose.

DOD Hazardous Materials Information System
DoD 6050.5-L
AS OF July 1998

FSC: 6850
NIIN: 00F002408
Manufacturer's CAGE: 4E827
Part No. Indicator: B
Part Number/Trade Name: FLUID FILM CORROSION PREVENTIVE PENETRANT

=====
General Information
=====

Item Name:
Company's Name: EUREKA CHEMICAL CO
Company's Street: 234 LAWRENCE AVE S
Company's P. O. Box: 2205
Company's City: SOUTH SAN FRANCISCO
Company's State: CA
Company's Country: US
Company's Zip Code: 94080-5000
Company's Emerg Ph #: 415-761-3536/510-939-8372
Company's Info Ph #: 415-761-3536/707-448-3069
Distributor/Vendor # 1:
Distributor/Vendor # 1 Cage:
Distributor/Vendor # 2:
Distributor/Vendor # 2 Cage:
Distributor/Vendor # 3:
Distributor/Vendor # 3 Cage:
Distributor/Vendor # 4:
Distributor/Vendor # 4 Cage:
Safety Data Action Code:
Safety Focal Point: F
Record No. For Safety Entry: 002
Tot Safety Entries This Stk#: 002
Status: FE
Date MSDS Prepared: 01MAR92
Safety Data Review Date: 12AUG94
Supply Item Manager:
MSDS Preparer's Name:
Preparer's Company: EUREKA CHEMICAL CO
Preparer's St Or P. O. Box: 234 LAWRENCE AVE S
Preparer's City: SOUTH SAN FRANCISCO
Preparer's State: CA
Preparer's Zip Code: 94080-5000
Other MSDS Number:
MSDS Serial Number: BTTXT
Specification Number:
Spec Type, Grade, Class:
Hazard Characteristic Code:
Unit Of Issue:
Unit Of Issue Container Qty:
Type Of Container:
Net Unit Weight:

Report for NIIN: 00F002408

NRC/State License Number:
Net Explosive Weight:
Net Propellant Weight-Ammo:
Coast Guard Ammunition Code:

=====
Ingredients/Identity Information
=====

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=====
Proprietary: NO
Ingredient: PROPANE
Ingredient Sequence Number: 01
Percent: 13.5
Ingredient Action Code:
Ingredient Focal Point: F
NIOSH (RTECS) Number: TX2275000
CAS Number: 74-98-6
OSHA PEL: 1000 PPM
ACGIH TLV: SIMPLE ASPHYXIAN
Other Recommended Limit: 1800 MG/CUM
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Proprietary: NO
Ingredient: ISOBUTANE, 2-METHYLPROPANE
Ingredient Sequence Number: 02
Percent: 13.5
Ingredient Action Code:
Ingredient Focal Point: F
NIOSH (RTECS) Number: TZ4300000
CAS Number: 75-28-5
OSHA PEL: 1800 MG/CUM
ACGIH TLV: 1000 PPM
Other Recommended Limit: 1000 PPM
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Proprietary: NO
Ingredient: OIL PETROLEUM DISTILLATES, SOLVENT-DEWAXED HEAVY PARAFFINIC
Ingredient Sequence Number: 03
Percent: N/K
Ingredient Action Code:
Ingredient Focal Point: F
NIOSH (RTECS) Number: PY8038500
CAS Number: 64742-65-0
OSHA PEL: N/K
ACGIH TLV: N/K
Other Recommended Limit: 5 MG/CUM
-----

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Physical/Chemical Characteristics

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=====
Appearance And Odor: N/K
Boiling Point: SEE SUPP
Melting Point: N/K
Vapor Pressure (MM Hg/70 F): N/K
Vapor Density (Air=1): >1
Specific Gravity: N/K
Decomposition Temperature: N/K
Evaporation Rate And Ref: FASTER THAN ETHER

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Report for NIIN: 00F002408

```

Solubility In Water: N/K
Percent Volatiles By Volume: 27/WT
Viscosity:
pH: N/K
Radioactivity:
Form (Radioactive Matl):
Magnetism (Milligauss):
Corrosion Rate (IPY): N/K
Autoignition Temperature:
-----

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Fire and Explosion Hazard Data

```

=====
Flash Point: 405F
Flash Point Method: COC
Lower Explosive Limit: N/K
Upper Explosive Limit: N/K
Extinguishing Media: CO2, DRY CHEMICAL/FOAM.
Special Fire Fighting Proc: WATER MAY BE INEFFECTIVE, WATER MAY BE USED TO
KEEP FIRE EXPOSED CONTAINERS COOL.
Unusual Fire And Expl Hazrds: DON'T SPRAY NEAR OPEN FLAME & FIRE. KEEP AT
ROOM TEMP AS EXPOSURE TO DIRECT SUNLIGHT/OTHER HEAT MAY CAUSE BURSTING.
=====

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Reactivity Data

```

=====
Stability: YES
Cond To Avoid (Stability): TEMP >120F, OPEN FLAME, FIRE, EXPOSURE TO
SUNLIGHT, & HEAT.
Materials To Avoid: STRONG OXIDIZERS, CHLORINE, NITRIC ACID.
Hazardous Decomp Products: CO, CO2
Hazardous Poly Occur: NO
Conditions To Avoid (Poly): N/K
=====

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Health Hazard Data

```

=====
LD50-LC50 Mixture:
Route Of Entry - Inhalation: YES
Route Of Entry - Skin: NO
Route Of Entry - Ingestion: YES
Health Haz Acute And Chronic: IN A CONFINED AREA VAPORS IN HIGH
CONCENTRATION ARE ANESTHETIC. IRRITANT TO SKIN & UPPER RESPIRATORY SYSTEM.
MAY RESULT IN LIGHT-HEADEDNESS, STAGGERING GAIT, GIDDINESS, & POSSIBLE
NAUSEA. HARMFUL/FATAL IF SWALLOWED.
Carcinogenicity - NTP: NO
Carcinogenicity - IARC: NO
Carcinogenicity - OSHA: NO
Explanation Carcinogenicity: NONE
Signs/Symptoms Of Overexp: IN A CONFINED AREA VAPORS IN HIGH CONCENTRATION
ARE ANESTHETIC. IRRITANT TO SKIN & UPPER RESPIRATORY SYSTEM. MAY RESULT IN
LIGHT-HEADEDNESS, STAGGERING GAIT, GIDDINESS, & POSSIBLE NAUSEA.
HARMFUL/FATAL IF SWALLOWED.
Med Cond Aggravated By Exp: N/K
Emergency/First Aid Proc: INHALATION: REMOVE TO FRESH AIR. EYES: FLUSH
W/WATER FOR 15 MINS. SKIN: WASH W/SOAP & WATER. INGESTION: DON'T INDUCE
=====

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Report for NIIN: 00F002408

VOMITING. OBTAIN MEDICAL ATTENTION IN ALL CASES.

Precautions for Safe Handling and Use

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=====
Steps If Matl Released/Spill: REMOVE ALL SOURCES OF IGNITION, VENTILATE
AVOID BREATHING VAPORS & REMOVE W/INERT ABSORBENT.
Neutralizing Agent: N/K
Waste Disposal Method: DON'T INCINERATE. DISPOSE OF IAW/LOCAL, STATE &
FEDERAL REGULATIONS.
Precautions-Handling/Storing: DON'T STORE >120F. KEEP AT ROOM TEMPERATURE
AS EXPOSURE TO SUNLIGHT/HEAT MAY CAUSE BURSTING.
Other Precautions: KEEP AWAY FROM CHILDREN. DON'T PUNCTURE/INCINERATE.
DON'T SPRAY NEAR FIRE/OPEN FLAME. AVOID BREATHING OF VAPOR/SPRAY MIST.
=====

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Control Measures

Respiratory Protection: N/K
 Ventilation: LOCAL EXHAUST
 Protective Gloves: RECOMMENDED
 Eye Protection: SAFETY GLASSES W/UNPERFORATED SIDESHIELD
 Other Protective Equipment: N/K
 Work Hygienic Practices: N/K
 Suppl. Safety & Health Data: BOILING POINT: PROPELLANT <0F.

=====

Transportation Data

=====

Transportation Action Code:
 Transportation Focal Point:
 Trans Data Review Date:
 DOT PSN Code:
 DOT Symbol:
 DOT Proper Shipping Name:
 DOT Class:
 DOT ID Number:
 DOT Pack Group:
 DOT Label:
 DOT/DoD Exemption Number:
 IMO PSN Code:
 IMO Proper Shipping Name:
 IMO Regulations Page Number:
 IMO UN Number:
 IMO UN Class:
 IMO Subsidiary Risk Label:
 IATA PSN Code:
 IATA UN ID Number:
 IATA Proper Shipping Name:
 IATA UN Class:
 IATA Subsidiary Risk Class:
 IATA Label:
 AFI PSN Code:
 AFI Symbols:
 AFI Prop. Shipping Name:
 AFI Class:

Report for NIIN: 00F002408

AFI ID Number:
 AFI Pack Group:
 AFI Label:
 AFI Special Prov:
 AFI Basic Pac Ref:
 MMAC Code:
 N.O.S. Shipping Name:
 Additional Trans Data:

=====

Disposal Data

=====

Disposal Data Action Code:
 Disposal Data Focal Point:
 Disposal Data Review Date:
 Rec # For This Disp Entry:
 Tot Disp Entries Per NSN:
 Landfill Ban Item:
 Disposal Supplemental Data:
 1st EPA Haz Wst Code New:
 1st EPA Haz Wst Name New:
 1st EPA Haz Wst Char New:

1st EPA Acute Hazard New:
 2nd EPA Haz Wst Code New:
 2nd EPA Haz Wst Name New:
 2nd EPA Haz Wst Char New:
 2nd EPA Acute Hazard New:
 3rd EPA Haz Wst Code New:
 3rd EPA Haz Wst Name New:
 3rd EPA Haz Wst Char New:
 3rd EPA Acute Hazard New:

=====

Label Data

=====

Label Required: YES
 Technical Review Date: 12AUG94
 Label Date: 12AUG94
 MFR Label Number: N/R
 Label Status: F
 Common Name: FLUID FILM CORROSION PREVENTIVE PENETRANT
 Chronic Hazard: YES
 Signal Word: DANGER!
 Acute Health Hazard-None:
 Acute Health Hazard-Slight:
 Acute Health Hazard-Moderate:
 Acute Health Hazard-Severe: X
 Contact Hazard-None:
 Contact Hazard-Slight: X
 Contact Hazard-Moderate:
 Contact Hazard-Severe:
 Fire Hazard-None:
 Fire Hazard-Slight: X
 Fire Hazard-Moderate:
 Fire Hazard-Severe:

Report for NIIN: 00F002408

Reactivity Hazard-None: X
 Reactivity Hazard-Slight:
 Reactivity Hazard-Moderate:
 Reactivity Hazard-Severe:
 Special Hazard Precautions: IN A CONFINED AREA VAPORS IN HIGH
 CONCENTRATION ARE ANESTHETIC. IRRITANT TO SKIN & UPPER RESPIRATORY SYSTEM.
 MAY RESULT IN LIGHT-HEADEDNESS, STAGGERING GAIT, GIDDINESS, & POSSIBLE
 NAUSEA. HARMFUL/FATAL IF SWALLOWED. TARGET ORGANS: RESPIRATORY & DIGESTIVE
 TRACTS. ATORY TRACT.
 Protect Eye: Y
 Protect Skin:
 Protect Respiratory:
 Label Name: EUREKA CHEMICAL CO
 Label Street: 234 LAWRENCE AVE S
 Label P.O. Box: 2205
 Label City: SOUTH SAN FRANCISCO
 Label State: CA
 Label Zip Code: 94080-5000
 Label Country: US
 Label Emergency Number: 415-761-3536/510-939-8372
 Year Procured: UNK

Material Safety Data Sheet

SECTION 1 PRODUCT AND COMPANY IDENTIFICATION

Chevron RPM® Universal Gear Lubricant

Product Use: Gear Lubricant

Product Number(s): CPS225039, CPS225040

Synonyms: Chevron RPM® Universal Gear Lubricant SAE 80W-90, Chevron RPM® Universal Gear Lubricant SAE 85W-140

Company Identification

Chevron Products Company

Global Lubricants

6001 Bollinger Canyon Rd.

San Ramon, CA 94583

United States of America

www.chevron-lubricants.com

Transportation Emergency Response

CHEMTREC: (800) 424-9300 or (703) 527-3887

Health Emergency

Chevron Emergency Information Center: Located in the USA. International collect calls accepted. (800) 231-0623 or (510) 231-0623

Product Information

email : lubemsds@chevrontexaco.com

Product Information: (800) LUBE TEK

MSDS Requests: (800) 414-6737

SECTION 2 COMPOSITION/ INFORMATION ON INGREDIENTS

COMPONENTS	CAS NUMBER	AMOUNT
Highly refined mineral oil (C15-C50)	Mixture	80 - 95 %weight

SECTION 3 HAZARDS IDENTIFICATION

IMMEDIATE HEALTH EFFECTS

Eye: Not expected to cause prolonged or significant eye irritation.

Skin: Contact with the skin is not expected to cause prolonged or significant irritation. Not expected to be harmful to internal organs if absorbed through the skin.

Ingestion: Not expected to be harmful if swallowed.

Inhalation: Not expected to be harmful if inhaled. Contains a petroleum-based mineral oil. May cause respiratory irritation or other pulmonary effects following prolonged or repeated inhalation of oil mist at airborne levels above the recommended mineral oil mist exposure limit. Symptoms of respiratory irritation may include coughing and difficulty breathing.

SECTION 4 FIRST AID MEASURES

Eye: No specific first aid measures are required. As a precaution, remove contact lenses, if worn, and flush eyes with water.

Skin: No specific first aid measures are required. As a precaution, remove clothing and shoes if contaminated. To remove the material from skin, use soap and water. Discard contaminated clothing and shoes or thoroughly clean

before reuse.

Ingestion: No specific first aid measures are required. Do not induce vomiting. As a precaution, get medical advice.

Inhalation: No specific first aid measures are required. If exposed to excessive levels of material in the air, move the exposed person to fresh air. Get medical attention if coughing or respiratory discomfort occurs.

SECTION 5 FIRE FIGHTING MEASURES

FIRE CLASSIFICATION:

OSHA Classification (29 CFR 1910.1200): Not classified by OSHA as flammable or combustible.

NFPA RATINGS: Health: 0 Flammability: 1 Reactivity: 0

FLAMMABLE PROPERTIES:

Flashpoint: (Cleveland Open Cup) 180 °C (356 °F) (Min)

Autoignition: No Data Available

Flammability (Explosive) Limits (% by volume in air): Lower: Not Applicable Upper: Not Applicable

EXTINGUISHING MEDIA: Use water fog, foam, dry chemical or carbon dioxide (CO₂) to extinguish flames.

PROTECTION OF FIRE FIGHTERS:

Fire Fighting Instructions: This material will burn although it is not easily ignited. For fires involving this material, do not enter any enclosed or confined fire space without proper protective equipment, including self-contained breathing apparatus.

Combustion Products: Highly dependent on combustion conditions. A complex mixture of airborne solids, liquids, and gases including carbon monoxide, carbon dioxide, and unidentified organic compounds will be evolved when this material undergoes combustion.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Protective Measures: Eliminate all sources of ignition in vicinity of spilled material.

Spill Management: Stop the source of the release if you can do it without risk. Contain release to prevent further contamination of soil, surface water or groundwater. Clean up spill as soon as possible, observing precautions in Exposure Controls/Personal Protection. Use appropriate techniques such as applying non-combustible absorbent materials or pumping. Where feasible and appropriate, remove contaminated soil. Place contaminated materials in disposable containers and dispose of in a manner consistent with applicable regulations.

Reporting: Report spills to local authorities and/or the U.S. Coast Guard's National Response Center at (800) 424-8802 as appropriate or required.

SECTION 7 HANDLING AND STORAGE

Precautionary Measures: Keep out of the reach of children.

General Handling Information: Avoid contaminating soil or releasing this material into sewage and drainage systems and bodies of water.

Static Hazard: Electrostatic charge may accumulate and create a hazardous condition when handling this material. To minimize this hazard, bonding and grounding may be necessary but may not, by themselves, be sufficient. Review all operations which have the potential of generating and accumulating an electrostatic charge and/or a flammable atmosphere (including tank and container filling, splash filling, tank cleaning, sampling, gauging, switch loading, filtering, mixing, agitation, and vacuum truck operations) and use appropriate mitigating procedures. For more information, refer to OSHA Standard 29 CFR 1910.106, 'Flammable and Combustible Liquids', National Fire Protection Association (NFPA 77, 'Recommended Practice on Static Electricity', and/or the American Petroleum Institute (API) Recommended Practice 2003, 'Protection Against Ignitions Arising Out of Static, Lightning, and Stray Currents'.

Container Warnings: Container is not designed to contain pressure. Do not use pressure to empty container or it may rupture with explosive force. Empty containers retain product residue (solid, liquid, and/or vapor) and can be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks, static electricity, or other sources of ignition. They may explode and cause injury or death. Empty containers should be completely drained, properly closed, and promptly returned to a drum reconditioner or disposed of properly.

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

GENERAL CONSIDERATIONS:

Consider the potential hazards of this material (see Section 3), applicable exposure limits, job activities, and other substances in the work place when designing engineering controls and selecting personal protective equipment. If engineering controls or work practices are not adequate to prevent exposure to harmful levels of this material, the personal protective equipment listed below is recommended. The user should read and understand all instructions and limitations supplied with the equipment since protection is usually provided for a limited time or under certain circumstances.

ENGINEERING CONTROLS:

Use in a well-ventilated area.

PERSONAL PROTECTIVE EQUIPMENT

Eye/Face Protection: No special eye protection is normally required. Where splashing is possible, wear safety glasses with side shields as a good safety practice.

Skin Protection: No special protective clothing is normally required. Where splashing is possible, select protective clothing depending on operations conducted, physical requirements and other substances in the workplace. Suggested materials for protective gloves include: 4H (PE/EVAL), Nitrile Rubber, Silver Shield, Viton.

Respiratory Protection: No respiratory protection is normally required.

If user operations generate an oil mist, determine if airborne concentrations are below the occupational exposure limit for mineral oil mist. If not, wear an approved respirator that provides adequate protection from the measured concentrations of this material. For air-purifying respirators use a particulate cartridge.

Use a positive pressure air-supplying respirator in circumstances where air-purifying respirators may not provide adequate protection.

Occupational Exposure Limits:

Component	Agency	TWA	STEL	Ceiling	Notation
Highly refined mineral oil (C15-C50)	ACGIH	5 mg/m3	10 mg/m3	--	--
Highly refined mineral oil (C15-C50)	OSHA Z-1	5 mg/m3	--	--	--

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Attention: the data below are typical values and do not constitute a specification.

Color: Brown

Physical State: Liquid

Odor: Petroleum odor

pH: Not Applicable

Vapor Pressure: <0.01 mmHg @ 37.8 °C (100 °F)

Vapor Density (Air = 1): >1

Boiling Point: >371°C (699.8°F)

Solubility: Soluble in hydrocarbons; insoluble in water

Freezing Point: Not Applicable

Specific Gravity: 0.88 - 0.92 @ 15.6°C (60.1°F) / 15.6°C (60.1°F)

Viscosity: 13.7 cSt @ 100°C (212°F) (Min)

SECTION 10 STABILITY AND REACTIVITY

Chemical Stability: This material is considered stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.

Incompatibility With Other Materials: May react with strong acids or strong oxidizing agents, such as chlorates, nitrates, peroxides, etc.

Hazardous Decomposition Products: None known (None expected)

Hazardous Polymerization: Hazardous polymerization will not occur.

SECTION 11 TOXICOLOGICAL INFORMATION**IMMEDIATE HEALTH EFFECTS**

Eye Irritation: The eye irritation hazard is based on evaluation of data for similar materials or product components.

Skin Irritation: The skin irritation hazard is based on evaluation of data for similar materials or product

components.

Skin Sensitization: No product toxicology data available.

Acute Dermal Toxicity: The acute dermal toxicity hazard is based on evaluation of data for similar materials or product components.

Acute Oral Toxicity: The acute oral toxicity hazard is based on evaluation of data for similar materials or product components.

Acute Inhalation Toxicity: The acute inhalation toxicity hazard is based on evaluation of data for similar materials or product components.

ADDITIONAL TOXICOLOGY INFORMATION:

This product contains petroleum base oils which may be refined by various processes including severe solvent extraction, severe hydrocracking, or severe hydrotreating. None of the oils requires a cancer warning under the OSHA Hazard Communication Standard (29 CFR 1910.1200). These oils have not been listed in the National Toxicology Program (NTP) Annual Report nor have they been classified by the International Agency for Research on Cancer (IARC) as: carcinogenic to humans (Group 1), probably carcinogenic to humans (Group 2A), or possibly carcinogenic to humans (Group 2B). These oils have not been classified by the American Conference of Governmental Industrial Hygienists (ACGIH) as: confirmed human carcinogen (A1), suspected human carcinogen (A2), or confirmed animal carcinogen with unknown relevance to humans (A3).

SECTION 12 ECOLOGICAL INFORMATION

ECOTOXICITY

The toxicity of this material to aquatic organisms has not been evaluated. Consequently, this material should be kept out of sewage and drainage systems and all bodies of water.

ENVIRONMENTAL FATE

This material is not expected to be readily biodegradable.

SECTION 13 DISPOSAL CONSIDERATIONS

Use material for its intended purpose or recycle if possible. Oil collection services are available for used oil recycling or disposal. Place contaminated materials in containers and dispose of in a manner consistent with applicable regulations. Contact your sales representative or local environmental or health authorities for approved disposal or recycling methods.

SECTION 14 TRANSPORT INFORMATION

The description shown may not apply to all shipping situations. Consult 49CFR, or appropriate Dangerous Goods Regulations, for additional description requirements (e.g., technical name) and mode-specific or quantity-specific shipping requirements.

DOT Shipping Description: PETROLEUM LUBRICATING OIL, NOT REGULATED AS A HAZARDOUS MATERIAL FOR TRANSPORTATION UNDER 49 CFR

Additional Information: NOT HAZARDOUS BY U.S. DOT. ADR/RID HAZARD CLASS NOT APPLICABLE.

IMO/IMDG Shipping Description: PETROLEUM LUBRICATING OIL; NOT REGULATED AS DANGEROUS GOODS FOR TRANSPORT UNDER THE IMDG CODE

ICAO/IATA Shipping Description: PETROLEUM LUBRICATING OIL; NOT REGULATED AS DANGEROUS GOODS FOR TRANSPORT UNDER ICAO

SECTION 15 REGULATORY INFORMATION

EPCRA 311/312 CATEGORIES: 1. Immediate (Acute) Health Effects: NO

2. Delayed (Chronic) Health Effects: NO

3. Fire Hazard: NO

4. Sudden Release of Pressure Hazard: NO

5. Reactivity Hazard: NO

REGULATORY LISTS SEARCHED:

01-1=IARC Group 1	03=EPCRA 313
01-2A=IARC Group 2A	04=CA Proposition 65
01-2B=IARC Group 2B	05=MA RTK
02=NTP Carcinogen	06=NJ RTK
	07=PA RTK

No components of this material were found on the regulatory lists above.

CHEMICAL INVENTORIES:

All components comply with the following chemical inventory requirements: AICS (Australia), DSL (Canada), EINECS (European Union), ENCS (Japan), IECSC (China), KECI (Korea), PICCS (Philippines), TSCA (United States).

NEW JERSEY RTK CLASSIFICATION:

Under the New Jersey Right-to-Know Act L. 1983 Chapter 315 N.J.S.A. 34:5A-1 et. seq., the product is to be identified as follows: PETROLEUM OIL (Gear oil)

WHMIS CLASSIFICATION:

This product is not considered a controlled product according to the criteria of the Canadian Controlled Products Regulations.

SECTION 16 OTHER INFORMATION

NFPA RATINGS: Health: 0 Flammability: 1 Reactivity: 0

HMIS RATINGS: Health: 1 Flammability: 1 Reactivity: 0

(0-Least, 1-Slight, 2-Moderate, 3-High, 4-Extreme, PPE:- Personal Protection Equipment Index recommendation, *- Chronic Effect Indicator). These values are obtained using the guidelines or published evaluations prepared by the National Fire Protection Association (NFPA) or the National Paint and Coating Association (for HMIS ratings).

LABEL RECOMMENDATION:

Label Category : INDUSTRIAL OIL 1 - IND1

REVISION STATEMENT: This revision updates the following sections of this Material Safety Data Sheet:
2,5,8,9,10,11,14,15,16

Revision Date: 06/05/2006

ABBREVIATIONS THAT MAY HAVE BEEN USED IN THIS DOCUMENT:

TLV - Threshold Limit Value	TWA - Time Weighted Average
STEL - Short-term Exposure Limit	PEL - Permissible Exposure Limit
	CAS - Chemical Abstract Service Number
ACGIH - American Conference of Government Industrial Hygienists	IMO/IMDG - International Maritime Dangerous Goods Code
API - American Petroleum Institute	MSDS - Material Safety Data Sheet
CVX - Chevron	NFPA - National Fire Protection Association (USA)
DOT - Department of Transportation (USA)	NTP - National Toxicology Program (USA)
IARC - International Agency for Research on Cancer	OSHA - Occupational Safety and Health Administration

Prepared according to the OSHA Hazard Communication Standard (29 CFR 1910.1200) and the ANSI MSDS Standard (Z400.1) by the ChevronTexaco Energy Research & Technology Company, 100 Chevron Way, Richmond, California 94802.

The above information is based on the data of which we are aware and is believed to be correct as of the date hereof. Since this information may be applied under conditions beyond our control and with which we may be unfamiliar and since data made available subsequent to the date hereof may suggest modifications of the information, we do not assume any responsibility for the results of its use. This information is furnished upon condition that the person receiving it shall make his own determination of the suitability of the material for his particular purpose.

MATERIAL SAFETY DATA SHEET

Page 1 of 4

MSDS # 127390001

GLADE® PLUG-INS SCENTED OIL - CLEAN LINEN*

Date Issued: 12Oct2005

Supersedes: 04Aug2003

US MANUFACTURER:

S.C. Johnson & Son, Inc.
Phone: (800) 725-6737
Racine, Wisconsin 53403-2236
Emergency Phone: (866) 231-5406
International Emergency Phone:
(952) 852-4647

CANADIAN MANUFACTURER:

S.C. Johnson and Son, Limited
Phone: (800) 725-6737
1 Webster Street
Brantford, Ontario N3T 5R1
Transportation Emergency:
CANUTEC (collect) (613) 996-6666
Poison Control: (866) 231-5406

HAZARD RATING	HMIS	HAZARD	NFPA	DISTRIBUTED IN CANADA BY:
4-Very High	2	Health	2	S.C. Johnson and Son, Limited
3-High	2	Flammability	2	Phone: (800) 725-6737
2-Moderate	0	Reactivity	0	1 Webster Street
1-Slight		Special		Brantford, Ontario N3T 5R1
0-Insignificant				

SECTION 1 - PRODUCT IDENTIFICATION

PRODUCT NAME..... GLADE® PLUG-INS SCENTED OIL - CLEAN LINEN*
PRODUCT USE..... Household: Air care

SECTION 2 - INGREDIENT INFORMATION

INGREDIENT	WEIGHT%	EXPOSURE LIMIT/TOXICITY
Mixture of Perfume Oils.....	>90.0	NOT ESTABLISHED

SECTION 3 - HEALTH HAZARDS IDENTIFICATION (Also See Section 11)

ROUTE(S) OF ENTRY..... Skin contact. Eye contact.
EFFECTS OF ACUTE EXPOSURE:
EYE..... May cause: Moderate eye irritation.
SKIN..... Prolonged or repeated contact may cause: Drying/defatting of skin.
INHALATION..... Irritation to nose, throat and respiratory tract.
INGESTION..... May cause irritation to mouth, throat and stomach.
MEDICAL CONDITIONS..... Persons with pre-existing skin disorders may be more susceptible to irritating effects.
GENERALLY RECOGNIZED AS BEING AGGRAVATED BY EXPOSURE

SECTION 4 - FIRST AID MEASURES

EYE CONTACT..... Flush immediately with plenty of water for at least 15 to 20 minutes. If irritation persists, get medical attention.
SKIN CONTACT..... Wash contaminated area with water and soap. If irritation persists, get medical attention.
INHALATION..... Remove to fresh air.
INGESTION..... Rinse mouth immediately. Immediately drink 1-2 glasses of water. Seek immediate medical attention.

SECTION 5 - FIRE AND EXPLOSION INFORMATION

FLASH POINT..... 156°F (69°C) (TCC)

MATERIAL SAFETY DATA SHEET

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MSDS # 127390001

GLADE® PLUG-INS SCENTED OIL - CLEAN LINEN*

Date Issued: 12Oct2005

Supersedes: 04Aug2003

----- SECTION 5 - FIRE AND EXPLOSION INFORMATION (continued) -----

FLAMMABLE LIMITS.....	Not available.
AUTOIGNITION.....	Not available.
TEMPERATURE	
EXTINGUISHING MEDIA....	Foam. CO2. Dry chemical.
SPECIAL FIREFIGHTING... PROCEDURES	Fire fighters should wear self-contained breathing apparatus and protective clothing.
UNUSUAL FIRE AND..... EXPLOSION HAZARDS	No special hazards known.

----- SECTION 6 - PREVENTIVE RELEASE MEASURES -----

STEPS TO BE TAKEN IN... CASE MATERIAL IS RELEASED OR SPILLED	Eliminate all ignition sources. Dike large spills. Do not let spilled or leaking material enter watercourse. Absorb with oil-dri or similar inert material. Sweep or scrape up and containerize.
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----- SECTION 7 - HANDLING AND STORAGE -----

PRECAUTIONARY..... INFORMATION	WARNING: Skin and eye irritant. Do not get in eyes, on skin or on clothing. If such contact occurs, flush immediately with plenty of water for at least 15 to 20 minutes. If irritation persists, seek medical aid. Keep out of reach of children.
OTHER HANDLING AND..... STORAGE CONDITIONS	Store in a cool, dry place with adequate ventilation. Observe good personal hygiene practices.

----- SECTION 8 - SPECIAL PROTECTION INFORMATION -----

RESPIRATORY PROTECTION.	No special requirements under normal use conditions.
VENTILATION.....	General room ventilation is normally adequate. Substantial amounts of mists/vapors can be controlled with local exhaust ventilation or respiratory protection.
PROTECTIVE GLOVES.....	If prolonged or repeated contact is possible: Any impervious material.
EYE PROTECTION.....	Chemical splash-proof goggles.
OTHER PROTECTIVE..... MEASURES	If major exposure is possible to eyes/skin, wear/use appropriate protective equipment.

----- SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES -----

COLOR.....	Yellow
PRODUCT STATE.....	Liquid.
ODOR.....	Fresh Clean
pH.....	Not available.
ODOR THRESHOLD.....	Not available.
SOLUBILITY IN WATER....	Negligible
SPECIFIC GRAVITY..... (H2O=1)	0.947
VISCOSITY.....	Not available
VAPOR DENSITY (AIR=1)..	Not available.
EVAPORATION RATE (BUTYL ACETATE=1)	Not available.
VAPOR PRESSURE (mm HG).	Not available.
BOILING POINT.....	Not available.
FREEZING POINT.....	Not available.

MATERIAL SAFETY DATA SHEET

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MSDS # 127390001

GLADE® PLUG-INS SCENTED OIL - CLEAN LINEN*

Date Issued: 12Oct2005

Supersedes: 04Aug2003

----- SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES (continued) -----

COEFFICIENT OF..... Not available.
WATER/OIL
PERCENT VOLATILE BY.... > 99
VOLUME (%)
VOLATILE ORGANIC..... Not applicable.
COMPOUND (VOC)
THEORETICAL VOC..... Not applicable.
(LB/GAL)

----- SECTION 10 - STABILITY AND REACTIVITY -----

STABILITY..... Stable
STABILITY - CONDITIONS. Not available.
TO AVOID
INCOMPATIBILITY..... Strong acids (eg., muriatic acid). Strong oxidizing materials
(e.g. liquid chlorine).
HAZARDOUS DECOMPOSITION PRODUCTS When exposed to fire: Produces normal products of combustion.
HAZARDOUS..... Will not occur.
POLYMERIZATION
HAZARDOUS..... Not applicable.
POLYMERIZATION -
CONDITIONS TO AVOID

----- SECTION 11 - TOXICOLOGY INFORMATION (Also See Section 3) -----

LD50 (ACUTE ORAL TOX).. Not available.
LD50 (ACUTE DERMAL TOX) Not available.
LC50 (ACUTE INHALATION. Not available.
TOX)
EFFECTS OF CHRONIC..... None known.
EXPOSURE
SENSITIZATION..... None known.
CARCINOGENICITY..... None known.
REPRODUCTIVE TOXICITY.. None known.
TERATOGENICITY..... None known.
MUTAGENICITY..... None known.

----- SECTION 12 - ECOLOGICAL INFORMATION -----

ENVIRONMENTAL DATA..... Not available.

----- SECTION 13 - DISPOSAL CONSIDERATIONS -----

WASTE DISPOSAL..... Observe all Federal, Provincial, State and Municipal
INFORMATION regulations.

----- SECTION 14 - TRANSPORTATION INFORMATION -----

US DOT INFORMATION..... Please refer to the Bill of Lading/receiving documents for
up-to-date shipping information.

MATERIAL SAFETY DATA SHEET

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MSDS # 127390001

GLADE® PLUG-INS SCENTED OIL - CLEAN LINEN*

Date Issued: 12Oct2005

Supersedes: 04Aug2003

----- SECTION 14 - TRANSPORTATION INFORMATION (continued) -----

CANADIAN SHIPPING NAME. GLADE® PLUG-INS SCENTED OIL - CLEAN LINEN*
TDG CLASSIFICATION..... Not applicable.
PIN/NIP..... Not applicable.
PACKING GROUP..... Not applicable.
EXEMPTION NAME..... Not applicable.

----- SECTION 15 - REGULATORY INFORMATION -----

WHMIS CLASSIFICATION... Non-regulated.

All ingredients of this product are listed or are excluded from listing on the U.S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory.

All ingredients in this product comply with the New Substances Notification requirements under the Canadian Environmental Protection Act (CEPA).

This product is not subject to the reporting requirements under California's Proposition 65.

----- SECTION 16 - OTHER INFORMATION -----

ADDITIONAL INFORMATION. Use as directed.
EPA REGISTRATION #..... Not applicable.

----- PREPARATION INFORMATION -----

PREPARED BY..... Manufacturer's Technical Support Department. Refer to page 1
(Manufacturer) for contact information.

This document has been prepared using data from sources considered technically reliable. It does not constitute a warranty, express or implied, as to the accuracy of the information contained herein. Actual conditions of use and handling are beyond seller's control. User is responsible to evaluate all available information when using product for any particular use and to comply with all Federal, State, Provincial and Local laws and regulations.

*This is a trademark of S.C. Johnson & Son, Inc.

PRINT DATE: 12Oct2005

MATERIAL SAFETY DATA SHEET

HY-PER LUBE CORPORATION
14818 N.E. 31ST CIRCLE
REDMOND, WA 98104

PAGE 1 OF 5

PRODUCT CODE NO: HPL-201, 205, 255; HTT-200, HSF-220

MANUFACTURER: HY-PER LUBE CORPORATION
14818 N.E. 31ST CIRCLE
REDMOND, WA 98104
(425) 558-3700

FOR PRODUCT EMERGENCY CONTACT:
CHEM-TEL (800) 255-3924

PRODUCT IDENTIFICATION

PRODUCT NAME : Hilton Hy-Per-Lube
SYNONYMS : Hilton Hy-Per-Lube
GENERIC NAME : Industrial Oil
CHEMICAL FAMILY : Petroleum Hydrocarbon
DOT PROPER
SHIPPING NAME : Not Applicable
ID NUMBER : None

SECTION	INGREDIENTS	TVL	UNITS	AGENCY	TYPE
---------	-------------	-----	-------	--------	------

OIL MIST, IF GENERATED	5.00	MG/M3	OSHA	FULL TERM	TWA
------------------------	------	-------	------	-----------	-----

The identities of ingredients that are trade secrets are excluded from this list.

SECTION II - EMERGENCY AND FIRST AID PROCEDURES**EYE CONTACT:**

For direct contact, flush the affected eye(s) with clean water. If irritation or redness develops, seek medical attention.

SKIN CONTACT:

Do not use gasoline's, thinners or solvents to remove product from skin. Wipe material from skin and remove contaminated clothing. Cleanse affected area(s) thoroughly by washing with soap and water and, if necessary, a waterless skin cleanser. If irritation or redness develops and persists, seek medical attention.

INHALATION (BREATHING):

If irritation of nose or throat develops, move away from source of exposure and into fresh air. If irritation persists, seek medical attention. If victim is not breathing or if breathing difficulties develop, artificial respiration or oxygen should be administered by qualified personnel. Seek immediate medical attention.

INGESTION (SWALLOWING):

If victim is conscious and alert, give 2 to 3 cups of milk or water to drink. Seek medical attention. To physician: Emesis or Lavage is not recommended for ingestion's of minute quantities or tastes of most hydrocarbons. Medical opinion is divided for larger ingestion's. Emesis or Lavage has been recommended for those petroleum products which have a high oral toxicity. Gastric Lavage with a cuffed endotracheal tube is recommended by some physicians to prevent aspiration.

SECTION III - POTENTIAL ADVERSE HEALTH EFFECTS**EYE CONTACT:**

This material may cause eye irritation. Direct contact may cause burning, tearing, and redness.

SKIN CONTACT:

This material may cause skin irritation. Prolonged or repeated contact may cause redness, burning or dermatitis.

INHALATION (BREATHING):

Exposure to mists, or prolonged or repeated exposure to fumes or vapors that may be generated when this material is heated, may cause irritation of nose and throat.

INGESTION (SWALLOWING):

Accidental ingestion of this material may cause irritation of the digestive tract.

COMMENTS:

Used motor oil: Following repeated skin applications, animal studies have shown that used motor/crankcase oils have caused an increased incidence of skin cancer in mice. It is therefore recommended that prolonged or repeated contact with motor crankcase oils be avoided.

SECTION IV - SPECIAL PROTECTION INFORMATION**VENTILATION:**

If current ventilation practices are not adequate in maintaining airborne concentrations below the established exposure limits (see section I), additional ventilation or exhaust systems may be required.

RESPIRATORY PROTECTION:

If airborne concentrations exceed recommended exposure limits, a suitable filter-type respirator should be worn. (see section I)

PROTECTIVE GLOVES:

The use of gloves impermeable to the specific material handled is advised to prevent skin contact and possible irritation.

EYE PROTECTION:

Approved eye protection to safeguard against potential eye contact, irritation or injury is recommended.

OTHER PROTECTIVE EQUIPMENT:

It is suggested that a source of clean water be available in work area for flushing eyes and skin. Barrier creams that are specific for oil-based materials are recommended when gloves are impractical.

SECTION V - REACTIVITY DATA

STABILITY: Stable

INCOMPATIBILITY (MATERIALS TO AVOID):

Avoid contact with strong oxidizing agents. Extended exposure to high temperatures may cause decomposition.

HAZARDOUS DECOMPOSITION PRODUCTS:

Thermal decomposition in the presence of air may yield major amounts of oxides of carbon and minor amounts of oxides of nitrogen, phosphorus, sulfur and zinc.

HAZARDOUS POLYMERIZATION: Will not occur.

SECTION VI ENVIRONMENTAL PROTECTION**ENVIRONMENTAL IMPACT:**

This material is not expected to present any environmental problems other than those associated with oil spills.

PRECAUTIONS IF MATERIAL IS RELEASED OR SPILLED:

Stop the source of the leak or release. Clean up releases as soon as possible. Contain liquid to prevent further contamination of soil, surface water or groundwater. Clean up small spills using appropriate techniques such as sorbent materials or pumping. When feasible and appropriate, remove contaminated soil. Follow prescribed procedures for reporting and responding to larger releases.

WASTE DISPOSAL METHODS:

Place contaminated materials in disposable containers and dispose of in a manner consistent with environmental or health authorities for approved disposal of this material.

SECTION VII STORAGE AND SPECIAL PRECAUTIONS**HANDLING AND STORAGE PRECAUTIONS:**

Store in a cool, dry location. Keep away from incompatible materials (see section V). Avoid generating oil mists while handling. Avoid prolonged or repeated skin contact. Wash thoroughly after handling. For used motor oil: launder saturated clothing before wearing and discard oil-soaked shoes and unwashable clothing.

SECTION VIII FIRE PRECAUTION

FLASH POINT (OPEN CUP):	360° F
FIRE POINT (OPEN CUP):	405° F
FLAMMABILITY LIMITS:	N/A
EXTINGUISHING MEDIA:	CO2, Dry Chemical, Foam, Water Fog.

SPECIAL FIRE FIGHTING PROCEDURES:

For fires involving this material, do not enter any enclosed or confined fire spaces without proper protective equipment. This may include self-contained breathing apparatus to protect against the hazardous effects of normal products of combustion or oxygen deficiency. Read the entire MSDS.

SECTION IX PHYSICAL DATA

APPROX. BOILING POINT	: Above 600° F	POUR POINT: 0°F
VAPOR DENSITY	: Heavier than air.	
EVAPORATION RATE	: Slower than ether	
% VOLATILE	: Negligible	
% SOLUBILITY	: Negligible	
SPECIFIC GRAVITY	: 0.85-0.92	
API GRAVITY (60° F)	: 28.1	
KINEMATIC VIS @ 100° C	: 120 - 130 cSt	
APPEARANCE	: Clear golden liquid	
ODOR	: Characteristic	

DISCLAIMER OF EXPRESSED AND IMPLIED WARRANTIES

The information in this document is believed to be correct as of the date issued. NO WARRANTY OF MERCHANTABILITY, FITNESS FOR ANY PARTICULAR PURPOSE, OR ANY OTHER WARRANTY IS EXPRESSED OR IS TO BE IMPLIED REGARDING THE ACCURACY OR COMPLETENESS OF THIS INFORMATION, THE RESULTS TO BE OBTAINED FROM THE USE OF THIS INFORMATION OR THE PRODUCT, THE SAFETY OR THE HAZARDS RELATED TO ITS USE.

This information and product are furnished on the condition that the person receiving them shall make his or her own determination as to the suitability of the product for their particular purpose and on the condition that they assume the risk of their use thereof.

M A T E R I A L S A F E T Y D A T A S H E E T

Prod.ID: 66143

66143

===== SECTION I - PRODUCT IDENTIFICATION =====

PRODUCT NAME: IND AIR DRY GLOSS ENAMEL CAT YELLOW

PRODUCT IDENTIFIER: 66143

HMIS CODES: H 1 F 2 R 0 P B

PRODUCT USE: General purpose coating.

PRODUCT IDENTIFICATION NUMBER: Not regulated.

WHMIS INFO: B3,D2B

MANUFACTURER'S NAME: Cloverdale Paint Inc

ADDRESS : 6950 King George Hwy

Surrey, BC,

EMERGENCY PHONE : 613-996-6666

REVISION DATE : 8-May-07

INFORMATION PHONE : 604-596-6261

ABBREVIATIONS : N/AP - NOT APPLICABLE N/AV - NOT AVAILABLE

===== SECTION II - HAZARDOUS INGREDIENTS =====

	REPORTABLE COMPONENTS	CAS	WEIGHT NUMBER	O.E.L. PERCENT
LIGHT	64742-	30-60	ACGIH - TLV	100 ppm
HYDROTREATED	47-8		LD50: ORAL:	> 5 g/kg (RAT)
NAPHTHA			LD50: DERMAL:	> 3g/kg (RABBIT)

*** No toxic chemical(s) subject to the reporting requirements of section 313 of Title III and of 40 CFR 372 are present. ***

===== SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS =====

BOILING POINT: Not available. SPECIFIC GRAVITY (H2O=1): 1.04
VAPOR DENSITY: Heavier than air. PHYSICAL STATE: Liquid.
EVAPORATION RATE: Slower than n-Butyl Acetate.
COATING V.O.C.: 517 g/l
SOLUBILITY IN WATER: Insoluble.
APPEARANCE AND ODOR: Moderately thick liquid; Aromatic odor.
FREEZING POINT: Not available. pH: Not available.
COEFFICIENT OF WATER/OIL DIST: N/AV ODOR THRESHOLD: 1-30 ppm

===== SECTION IV - FIRE AND EXPLOSION HAZARD DATA =====

FLASH POINT: 42 C METHOD USED: TCC
FLAMMABLE LIMITS IN AIR BY VOLUME- LOWER: 1.1 UPPER: 7.0

EXTINGUISHING MEDIA:
Foam, CO2, dry chemical, water fog.

SPECIAL FIREFIGHTING PROCEDURES
Respiratory equipment should be worn to avoid inhalation of concentrated vapours. Water should not be used except as a fog to keep nearby containers cool.

UNUSUAL FIRE AND EXPLOSION HAZARDS

Handle as a combustible liquid. Vapours form an explosive mixture in air between the upper and lower explosive limits which can be ignited by many sources such as pilot lights, open flames, electrical boxes and switches. Vapours may travel along the ground and flashback along vapour trail may occur.

FLAMMABILITY - T.D.G.R. CLASS:

Not regulated. TDG 1.33 Class 3, Flammable Liquids: General Exemption

SENSITIVITY TO IMPACT: NO

AUTO-IGNITION TEMPERATURE:

Not available

SENSITIVITY TO STATIC DISCHARGE: Yes

HAZARDOUS COMBUSTION PRODUCTS:

Carbon Monoxide, Carbon Dioxide and Oxides of Nitrogen.

===== SECTION V - REACTIVITY DATA =====

CHEMICAL STABILITY: STABLE

CONDITIONS TO AVOID:

Excessive heat, poor ventilation, corrosive atmospheres, excessive aging.

INCOMPATIBILITY (MATERIALS TO AVOID)

Alkaline materials, strong acids and oxidizing agents.

HAZARDOUS DECOMPOSITION OR BYPRODUCTS: NONE KNOWN

HAZARDOUS POLYMERIZATION:

Will not occur.

===== SECTION VI - TOXICOLOGICAL DATA =====

INHALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

May cause respiratory irritation, dizziness, breathing difficulty, headaches and loss of co-ordination.

SKIN AND EYE CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE

Eye Contact: May cause severe irritation, tearing, redness and blurred vision.

Skin Contact: May cause irritation.

SKIN ABSORPTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

May dry and defat skin causing cracks, irritation and dermatitis.

INGESTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

May cause gastrointestinal irritation, vomiting, nausea and diarrhea.

HEALTH HAZARDS (ACUTE AND CHRONIC)

Acute health hazards are as listed above. No chronic health hazards.

SENSITIZING CAPABILITY: NONE KNOWN

CARCINOGENICITY: NTP CARCINOGEN:No IARC MONOGRAPHS:No OSHA
REGULATED:No

Not available.

TERATOGENICITY AND EMBRYOTOXICITY

Not available.

REPRODUCTIVE TOXICITY

Not available.

MUTAGENICITY

Not available.

TOXICOLOGICALLY SYNERGISTIC PRODUCTS

None known.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE

Anesthesia, respiratory tract irritation, dermatitis, nausea, vomiting.

===== SECTION VII - PREVENTIVE MEASURES =====

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

Eliminate ignition sources. Provide good ventilation or wear appropriate breathing apparatus. Absorb small spills with non-flammable absorbent. Contain spills by diking with non-flammable absorbent. Notify environmental agency.

WASTE DISPOSAL METHOD

Reclaim or dispose of through a licensed waste disposal company according to Federal, Provincial and local regulations.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

Combustible. Store in a cool, dry, well ventilated area away from heat and ignition sources. Keep containers closed when not in use. Avoid breathing vapours or mist and prolonged or repeated contact with skin. Launder contaminated clothing prior to re-use. Use good personal hygiene. Product is a static accumulator. Transfer equipment should be grounded or bonded.

OTHER PRECAUTIONS: Smoking in the area where this material is used must be strictly prohibited.

RESPIRATORY PROTECTION

NIOSH approved for organic vapours and particulate matter.

VENTILATION

General mechanical ventilation or local exhaust should be suitable to keep vapour concentrations below TLV. Ventilation equipment must be explosion proof. Make up air should be supplied to balance air exhausted.

PROTECTIVE GLOVES

Solvent impervious e.g. Viton, Nitrile, PVC.

EYE PROTECTION

Chemical safety glasses, goggles or face shield.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT

Use impermeable aprons and protective clothing whenever possible to prevent skin contact.

WORK/HYGIENIC PRACTICES

Eye washes and safety showers in the workplace are recommended.

===== SECTION VIII - FIRST AID MEASURES =====

INHALATION OVEREXPOSURE: Move person to fresh air. If breathing stops, apply artificial respiration and seek immediate medical attention.

EYE CONTACT: Flush with water for at least 15 minutes. Seek medical attention.

SKIN CONTACT: Wash thoroughly with mild soap and water.

INGESTION: Do not induce vomiting. Aspiration of solvents in this product can cause inflammation of the lungs.

===== SECTION IX - PREPARATION =====

PREPARED BY: TECHNICAL DEPARTMENT

===== SECTION X - DISCLAIMER =====

To the best of our knowledge, the information contained herein is accurate, obtained from sources believed by Cloverdale Paint Inc. to be accurate. No warranty concerning the accuracy of these sources is made and Cloverdale Paint Inc. will not be held liable for claims relating to use of this information or recommendations.

Material Safety Data Sheet

24 Hour Assistance:
1-847-367-7700
Rust-Oleum Corp.
www.rustoleum.com

Section 1 - Chemical Product / Company Information

Product Name: Rust-Oleum High Performance Industrial DTM Acrylic Primer
 Identification Number: 3769300, 3769402, 3781300, 3781402
 Product Use/Class: Primer/Water Based Acrylic
 Supplier: Rust-Oleum Corporation
 11 Hawthorn Parkway
 Vernon Hills, IL 60061
 USA
 Preparer: Cziczko, Ray

Revision Date: 08/26/2004
 Industrial Enamel Primer (Red Primer)

Manufacturer: Rust-Oleum Corporation
 11 Hawthorn Parkway
 Vernon Hills, IL 60061
 USA

Section 2 - Composition / Information On Ingredients

Chemical Name	CAS Number	Weight % Less Than	ACGIH TLV-TWA	ACGIH TLV-STEL	OSHA PEL-TWA	OSHA PEL-CEILING
Titanium Dioxide	13463-67-7	10.0	10 mg/m3	N.E.	10 mg/m3	N.E.
Dipropylene Glycol Monobutyl Ether	29911-28-2	5.0	N.E.	N.E.	N.E.	N.E.
Zinc Phosphate	7779-90-0	5.0	N.E.	N.E.	N.E.	N.E.
Propylene Glycol	57-55-6	5.0	N.E.	N.E.	N.E.	N.E.
Diethylene Glycol Monobutyl Ether	112-34-5	5.0	N.E.	N.E.	N.E.	N.E.

Section 3 - Hazards Identification

*** Emergency Overview ***: Use ventilation necessary to keep exposures below recommended exposure limits, if any.

Effects Of Overexposure - Eye Contact: Causes eye irritation.

Effects Of Overexposure - Skin Contact: Substance may cause slight skin irritation.

Effects Of Overexposure - Inhalation: Low hazard for usual industrial handling or commercial handling by trained personnel.

Effects Of Overexposure - Ingestion: Substance may be harmful if swallowed.

Effects Of Overexposure - Chronic Hazards: Contains: Propylene Glycol. Human systemic effects by ingestion: general anesthesia, convulsions, changes in surface EEG.

Primary Route(s) Of Entry: Skin Contact, Skin Absorption, Inhalation, Eye Contact

Section 4 - First Aid Measures

First Aid - Eye Contact: Hold eyelids apart and flush with plenty of water for at least 15 minutes. Get medical attention.

First Aid - Skin Contact: Wash with soap and water. Get medical attention if irritation develops or persists.

First Aid - Inhalation: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get immediate medical attention.

First Aid - Ingestion: Swallowing less than an ounce will not cause significant harm. For larger amounts, do not induce vomiting, but give one or two glasses of water to drink and get medical attention.

Section 5 - Fire Fighting Measures

Flash Point: >212 F
(Setaflash)

LOWER EXPLOSIVE LIMIT: 0.9 %
UPPER EXPLOSIVE LIMIT : 24.6 %

Extinguishing Media: Dry Chemical, Foam, Water Fog

Unusual Fire And Explosion Hazards: FLASH POINT IS TESTED TO BE GREATER THAN 200 DEGREES F.

Special Firefighting Procedures: Water may be used to cool closed containers to prevent buildup of steam.

Section 6 - Accidental Release Measures

Steps To Be Taken If Material Is Released Or Spilled: Dispose of according to local, state (provincial) and federal regulations. Do not incinerate closed containers.

Section 7 - Handling And Storage

Handling: Wash thoroughly after handling. Wash hands before eating. Avoid contact with eyes.

Storage: Keep container closed when not in use. Keep from freezing.

Section 8 - Exposure Controls / Personal Protection

Engineering Controls: Prevent build-up of vapors by opening all doors and windows to achieve cross-ventilation. Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits.

Respiratory Protection: A respiratory protection program that meets OSHA 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use.

Skin Protection: Nitrile or Neoprene gloves may afford adequate skin protection. Use gloves to prevent prolonged skin contact.

Eye Protection: Use safety eyewear designed to protect against splash of liquids.

Other protective equipment: Refer to safety supervisor or industrial hygienist for further information regarding personal protective equipment and its application.

Hygienic Practices: Wash thoroughly with soap and water before eating, drinking or smoking.

Section 9 - Physical And Chemical Properties

Boiling Range:	369 - 453 F	Vapor Density:	Heavier than air
Odor:	Ammonia Like	Odor Threshold:	ND
Appearance:	Liquid	Evaporation Rate:	Slower than Ether
Solubility in H2O:	Soluble		
Freeze Point:	ND	Specific Gravity:	1.4600
Vapor Pressure:		PH:	NE
Physical State:	Liquid		

(See section 16 for abbreviation legend)

Section 10 - Stability And Reactivity

Conditions To Avoid: Avoid contact with strong acid and strong bases.

Incompatibility: Incompatible with strong oxidizing agents, strong acids and strong alkalies.

Hazardous Decomposition: When heated to decomposition it emits acrid smoke and irritating fumes. By open flame, carbon monoxide and carbon dioxide.

Hazardous Polymerization: Will not occur under normal conditions.

Stability: This product is stable under normal storage conditions.

Section 11 - Toxicological Information

Product LD50: ND

Product LC50: ND

<u>Chemical Name</u>	<u>LD50</u>	<u>LC50</u>
Titanium Dioxide	>7500 mg/kg (ORAL, RAT)	N.D.
Dipropylene Glycol Monobutyl Ether	4400 mg/kg (ORAL, RAT)	N.D.
Zinc Phosphate	N.D.	N.D.
Propylene Glycol	20000 mg/kg (ORAL, RAT)	N.D.
Diethylene Glycol Monobutyl Ether	6560 mg/kg (ORAL, RAT)	>2000 ppm (INH 7 Hr, RAT)

Section 12 - Ecological Information

Ecological Information: Product is a mixture of listed components.

Section 13 - Disposal Information

Disposal Information: Dispose of material in accordance to local, state and federal regulations and ordinances. Do not allow to enter storm drains or sewer systems.

Section 14 - Transportation Information

DOT Proper Shipping Name:	Paint	Packing Group:	—
DOT Technical Name:	—	Hazard Subclass:	—
DOT Hazard Class:	—	Resp. Guide Page:	—
DOT UN/NA Number:	—		

Section 15 - Regulatory Information

CERCLA - SARA Hazard Category

This product has been reviewed according to the EPA "Hazard Categories" promulgated under Sections 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories:

IMMEDIATE HEALTH HAZARD, CHRONIC HEALTH HAZARD

SARA Section 313:

Listed below are the substances (if any) contained in this product that are subject to the reporting requirements of Section 313 of Title III of the Superfund Amendment and Reauthorization Act of 1986 and 40 CFR part 372:

<u>Chemical Name</u>	<u>CAS Number</u>
Zinc Phosphate	7779-90-0
Diethylene Glycol Monobutyl Ether	112-34-5

Toxic Substances Control Act:

Listed below are the substances (if any) contained in this product that are subject to the reporting requirements of TSCA 12(B) if exported from the United States:

None known

U.S. State Regulations: As follows -

New Jersey Right-to-Know:

The following materials are non-hazardous, but are among the top five components in this product.

<u>Chemical Name</u>	<u>CAS Number</u>
Water	7732-18-5
Modified Acrylic Copolymer	PROPRIETARY
Calcium Carbonate	1317-65-3
Red Iron Oxide	1332-37-2

Pennsylvania Right-to-Know:

The following non-hazardous ingredients are present in the product at greater than 3%.

Chemical Name

Water
Modified Acrylic Copolymer
Calcium Carbonate
Red Iron Oxide

CAS Number

7732-18-5
PROPRIETARY
1317-65-3
1332-37-2

California Proposition 65:

Warning: The following ingredients present in the product are known to the state of California to cause Cancer:

Chemical Name

Microcrystalline Silica
Lead Compounds
Cadmium Compounds
Propylene Oxide
Ethylene Oxide
Benzene
1,4-Dioxane
Arsenic Compounds
Acetaldehyde
Formaldehyde

CAS Number

14808-60-7
NOT SPECIFIED
NOT SPECIFIED
75-56-9
75-21-8
71-43-2
123-91-1
NOT SPECIFIED
75-07-0
50-00-0

Warning: The following ingredients present in the product are known to the state of California to cause birth defects, or other reproductive hazards.

Chemical Name

Lead Compounds
Cadmium Compounds
Ethylene Oxide
Benzene
Arsenic Compounds
Ethylene Glycol Monoethyl Ether

CAS Number

NOT SPECIFIED
NOT SPECIFIED
75-21-8
71-43-2
NOT SPECIFIED
110-80-5

International Regulations: As follows -**CANADIAN WHMIS:**

This MSDS has been prepared in compliance with Controlled Product Regulations except for the use of the 16 headings.

CANADIAN WHMIS CLASS: D2B**Section 16 - Other Information****HMIS Ratings:**

Health: 1

Flammability: 0

Reactivity: 0

Personal Protection: X

VOLATILE ORGANIC COMPOUNDS, g/l: <250

REASON FOR REVISION:

Legend: N.A. - Not Applicable, N.E. - Not Established, N.D. - Not Determined

The information contained on this MSDS has been checked and should be accurate. However, it is the responsibility of the user to comply with all Federal, State, and Local laws and regulations.

MATERIAL SAFETY DATA SHEET

Sales Order: {SalesOrd}

INTERLAC 665 WHITE



International Paint LLC

6001 Antoine Drive

Houston, Texas 77091

MSDS Revision No: P3-30
MSDS Revision Date: 10/21/2005

EMERGENCY NUMBERS:

(800) 424-9300	CHEMTREC (USA)
(703) 527-3887	CHEMTREC (intl)
(800) 854-6813	Poison Control Center
CUSTOMER SERVICE: (Non-Emergency)	
(800) 588-1267	International Paint
(800) 631-7481	Interlux

1. GENERAL INFORMATION

Product Identity: INTERLAC 665 WHITE

Bulk Sales Reference No: CLB000

IMPORTANT: Read this MSDS before handling or disposing of this product, and provide this information to the employee, customers, and users of this product. PLEASE NOTE THE MSDS REVISION NUMBER AT THE TOP OF THIS PAGE. If the MSDS Revision Number posted at the top of this page does not match the MSDS Revision Number on the product label, please contact Customer Service at the phone number included above for the correct MSDS. This product is covered by the OSHA Hazard Communication Standard and this document has been prepared in accordance with requirements of this standard.

NOTICE: OSHA hazardous chemicals are listed in Section 2 if present at 1% or more. Carcinogens and extraordinarily/special hazardous chemicals are listed in Section 2 if present at .1% or more. Additional regulatory information for specific chemical categories is included in Section 15.

2. HAZARDOUS INGREDIENT INFORMATION

CAS No.	Ingredient Name & %	Source	Exposure Data
001343-98-2	Silicic acid 1.0 – 10% by Weight	OSHA:	No Established Limit
		ACGIH:	No Established Limit
		NIOSH:	No Established Limit
		Supplier:	No Established Limit
		OHSA, CAN:	No Established Limit
		Mexico:	No Established Limit
		Brazil:	No Established Limit
		Source	Health Data
		NIOSH:	No Established Limit
		Source	Carcinogen Data
		OSHA:	Select Carcinogen: No
		NTP:	Known Carcinogen: No; Suspected Carcinogen: No
		IARC:	Group 1: No; Group 2A: No; Group 2b: No; Group 3: No; Group 4: No

CAS No.	Ingredient Name & %	Source	Exposure Data
008052-41-3	Stoddard solvent 10 – 25% by Weight	OSHA:	500 ppm TWA; 2900 mg/m3 TWA
		ACGIH:	100 ppm TWA
		NIOSH:	350 mg/m3 TWA 1800 mg/m3 Ceiling (15 minute) 20000 mg/m3 IDLH
		Supplier:	No Established Limit
		OHSA, CAN:	525 mg/m3 TWAEV (140 Degree C Flash Aliphatic Solvent)
		Mexico:	100 ppm TWA; 523 mg/m3 TWA 200 ppm STEL; 1050 mg/m3 STEL
		Brazil:	No Established Limit
		Source	Health Data
		NIOSH:	Eye nose
		Source	Carcinogen Data
		OSHA:	Select Carcinogen: No
		NTP:	Known Carcinogen: No; Suspected Carcinogen: No
		IARC:	Group 1: No; Group 2A: No; Group 2b: No; Group 3: No; Group 4: No

CAS No.	Ingredient Name & %	Source	Exposure Data
013463-67-7	Titanium dioxide 10 – 25% by Weight	OSHA:	15 mg/m3 TWA (total dust)
		ACGIH:	10 mg/m3 TWA
		NIOSH:	5000 mg/m3 IDLH
		Supplier:	No Established Limit
		OHSA, CAN:	10 mg/m3 TWA EV (total dust)
		Mexico:	10 mg/m3 TWA (nuisance particulate) 20 mg/m3 STEL
		Brazil:	No Established Limit
		Source	Health Data
		NIOSH:	Lung tumors in animals
		Source	Carcinogen Data
		OSHA:	Select Carcinogen: No
		NTP:	Known Carcinogen: No; Suspected Carcinogen: No
		IARC:	Group 1: No; Group 2A: No; Group 2b: No; Group 3: Yes; Group 4: No
CAS No.	Ingredient Name & %	Source	Exposure Data
027253-31-2	Cobalt neodecanoate 0.10 – 1.0% by Weight	OSHA:	No Established Limit
		ACGIH:	No Established Limit
		NIOSH:	No Established Limit
		Supplier:	No Established Limit
		OHSA, CAN:	No Established Limit
		Mexico:	No Established Limit
		Brazil:	No Established Limit
		Source	Health Data
		NIOSH:	No Established Limit
		Source	Carcinogen Data
		OSHA:	Select Carcinogen: No
		NTP:	Known Carcinogen: No; Suspected Carcinogen: No
		IARC:	Group 1: No; Group 2A: No; Group 2b: Yes; Group 3: No; Group 4: No
CAS No.	Ingredient Name & %	Source	Exposure Data
064742-47-8	Petroleum distillates, hydrotreated light 10 – 25% by Weight	OSHA:	No Established Limit
		ACGIH:	200 mg/m3 TWA (application restricted to conditions in which there are negligible aerosol expos
		NIOSH:	No Established Limit
		Supplier:	No Established Limit
		OHSA, CAN:	No Established Limit
		Mexico:	No Established Limit
		Brazil:	No Established Limit
		Source	Health Data
		NIOSH:	No Established Limit
		Source	Carcinogen Data
		OSHA:	Select Carcinogen: No
		NTP:	Known Carcinogen: No; Suspected Carcinogen: No
		IARC:	Group 1: No; Group 2A: No; Group 2b: No; Group 3: No; Group 4: No

3. HAZARD IDENTIFICATION

Overview:	NOTICE: Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal. Avoid contact with eyes, skin and clothing.
Inhalation:	May be harmful or fatal if inhaled. May cause lung injury. Causes nose and throat irritation. Vapors may affect the brain

or nervous system causing dizziness, headache or nausea.

Eyes:	Causes severe eye irritation. Do not get in eyes.		
Skin:	Causes skin irritation. May be harmful if absorbed through the skin.		
Ingestion:	Harmful if swallowed. May cause abdominal pain, nausea, vomiting, diarrhea, or drowsiness.		
Chronic Effects:	Contains an ingredient which can cause organ damage (See Section 2 and Section 15 for each ingredient). Possible cancer hazard. Contains an ingredient which may cause cancer based on animal data (See Section 2 and Section 15 for each ingredient). Risk of cancer depends on duration and level of exposure.		
HMIS Rating:	Health: 2	Flammability: 2	Reactivity: 0

4. FIRST AID MEASURES

General:	Remove contaminated clothing and shoes. Get medical attention immediately. Wash clothing before reuse. Thoroughly clean or destroy contaminated shoes.
Inhalation:	If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately.
Eyes:	In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention immediately.
Skin:	In case of contact, immediately flush skin with soap and plenty of water. Get medical attention immediately.
Ingestion:	If swallowed, immediately contact Poison Control Center at 1-800-854-6813. DO NOT induce vomiting unless instructed to do so by medical personnel. Never give anything by mouth to an unconscious person.

5. PROTECTIVE EQUIPMENT AND CONTROL MEASURES

Respiratory:	Select equipment to provide protection from the ingredients listed in Section 2 of this document. Ensure fresh air entry during application and drying. If you experience eye watering, headache or dizziness or if air monitoring demonstrates dust, vapor, or mist levels are above applicable limits, wear an appropriate, properly fitted respirator (NIOSH approved) during and after application. Follow respirator manufacturer's directions for respirator use. FOR USERS OF 3M RESPIRATORY PROTECTION ONLY: For information and assistance on 3M occupational health and safety products, call OH&ESD Technical Service toll free in U.S.A. 1-800-243-4630, in Canada call 1-800-267-4414. Please do not contact these numbers regarding other manufacturer's respiratory protection products. 3M does not endorse the accuracy of the information contained in this Material Safety Data Sheet.
Eyes:	Do not get in eyes. Protective equipment should be selected to provide protection from exposure to the chemicals listed in Section 2 of this document. Depending on the site-specific conditions of use, safety glasses, chemical goggles, and/or head and face protection may be required to prevent contact. The equipment must be thoroughly cleaned, or discarded after each use.
Skin/Hand:	Protective equipment should be selected to provide protection from exposure to the chemicals listed in Section 2 of this document. Depending on the site-specific conditions of use, protective gloves, apron, boots, head and face protection may be required to prevent contact. The equipment must be thoroughly cleaned, or discarded after each use.
Engineering Controls:	Prevent build-up of vapors by opening all windows and doors to achieve cross-ventilation.
Other Work Practices:	Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Use good personal hygiene practices. Wash hands before eating, drinking, using toilet facilities, etc. Promptly remove soiled clothing and wash clothing thoroughly before reuse. Shower after work using plenty of soap and water.

6. FIRE AND EXPLOSION INFORMATION

Flash Point:	F: 106 C: 41
Lower Explosive Limit (LEL):	1 (%vol in air) at Normal Atmospheric Temp and Pressure
Fire and Explosion Hazards:	Combustible liquid and vapor. FLAMMABLE/COMBUSTIBLE MATERIALS: Will be easily ignited by heat, sparks or flames. Vapors may form explosive mixtures with air. Vapors may travel to source of ignition and flash back. Most vapors are heavier than air. They will spread along ground and collect in low or confined areas (sewers, basements, tanks) creating a vapor explosion hazard. Runoff to sewers may create fire or explosion hazard. Containers may explode when heated.
Fire Fighting Procedures:	CAUTION: This product has a very low flashpoint. Use of water spray when fighting fire may be inefficient. SMALL FIRES: Use dry chemical, CO ₂ , water spray or alcohol-resistant foam. LARGE FIRES: Use water spray, fog, or alcohol-resistant foam. Do not use straight streams. Move containers from fire area if you can do so without risk. Runoff from fire control may cause pollution. Dike fire control water for later disposal. Do not scatter the material. Also Reference Emergency Response Guide Number: 127

7. PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Liquid
pH:	No Established Limit
Specific Gravity:	1.119354
Boiling Point (F):	210
Vapor Density:	Heavier than air
VOC Content (lbs):	Refer to the Technical Data Sheet for this product.
Evaporation Rate:	Slower than ether

8. STABILITY AND REACTIVITY DATA

General:	This product is stable and hazardous polymerization will not occur.
Incompatible Materials:	Strong oxidizing agents.
Hazardous Decomposition:	May produce hazardous fumes when heated to decomposition as in welding. Fumes may produce Carbon Dioxide and Carbon Monoxide.

9. HANDLING AND STORAGE

Storage Temperature:	Store between 32 and 120 F
Handling and Storage Precautions:	Keep away from heat, sparks and flame. Do not smoke. Extinguish all flames and pilot lights, and turn off stoves, heaters, electric motors and other sources of ignition during use and until all vapors are gone. Vapors may cause flash fire or ignite explosively. Prevent build-up of vapors by opening all windows and doors to achieve cross-ventilation. Do not get in eyes, on skin or clothing. Close container after each use. Wash thoroughly after handling.

10. TOXICOLOGICAL DATA

General:	NOTICE: Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal. No additional information provided for this product. See Section 2 for chemical specific data.
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11. ECOLOGICAL DATA

General:	No additional information provided for this product. See Section 2 for chemical specific data.
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12. ACCIDENTAL RELEASE MEASURES

Spill Response Procedures:	ELIMINATE ALL IGNITION SOURCES (no smoking, flares, sparks or flames in immediate area). Use only non-sparking equipment to handle spilled material and absorbent. Do not touch or walk through spilled material. Stop leak if you can do so without risk. Prevent entry into waterways, sewers, basements or confined areas. A vapor suppressing foam may be used to reduce vapors. Absorb or cover with dry earth, sand, or other non-combustible material and transfer to containers. Use non-sparking tools to collect absorbed material. CALL CHEMTREC at (800)-424-9300 for emergency response. Isolate spill or leak area immediately for at least 25 to 50 meters (80 to 160 feet) in all directions. Keep unauthorized personnel away. Stay upwind. Keep out of low areas. Ventilate closed spaces before entering. LARGE SPILLS: Consider initial downwind evacuation for at least 300 meters (1000 feet). Also, Reference Emergency Response Guide Number: 127
Public Safety:	

13. DISPOSAL CONSIDERATION

Waste Disposal:	Dispose of in accordance with local, state and federal regulations. (Also reference RCRA information in Section 15 if listed).
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14. TRANSPORTATION INFORMATION

DOT (Domestic Surface Transportation)		IMO / IMDG (Ocean Transportation)	
DOT Proper Shipping Name: PAINT		IMDG Proper Shipping Name: PAINT	
DOT Hazard Class:	3	IMDG Hazard Class:	3.3 – High flashpoint flammable liquids
UN / NA Number:	UN 1263	UN Number:	UN 1263
DOT Packing Group:	III	IMDG Packing Group:	III
CERCLA/DOT RQ:	6206 gal. / 57870 lbs.	System Reference Code:	1

15. REGULATORY INFORMATION

Regulatory Overview:	<p>The regulatory data in Section 15 is not intended to be all-inclusive, only selected regulations are represented. All ingredients of this product are listed on the TSCA (Toxic Substance Control Act) Inventory or are not required to be listed on the TSCA Inventory.</p> <p>Note: Any chemical ingredients listed in Section 15, that do not also appear in Section 2, are contained in the product at a concentration below the applicable OSHA threshold level of 1% or 0.1%.</p>	
WHMIS Classification:	No Established Limit	
Regulatory List	Product Ingredients on List	
DOT Marine Pollutants (10%): (No Product Ingredients Listed)		
DOT Severe Marine Pollutants (1%): (No Product Ingredients Listed)		
EPCRA 311/312 Chemicals and RQs (>.1%) :		
001330-20-7	Xylenes (o-, m-, p- isomers) : 100 lb final RQ; 45.4 kg final RQ	
EPCRA 302 Extremely Hazardous (>.1%) :		
(No Product Ingredients Listed)		
EPCRA 313 Toxic Chemicals (>.1%) :		
027253-31-2	Cobalt neodecanoate	
000095-63-6	Pseudocumene	
001330-20-7	Xylenes (o-, m-, p- isomers)	
Mass RTK Substances (>1%) :		
008052-41-3	Stoddard solvent	
013463-67-7	Titanium dioxide	
Mass Extraordinarily Haz Sub (>.01%) :		
014808-60-7	Quartz	
014464-46-1	Silica, cristobalite	
Penn RTK Substances (>1%) :		
008052-41-3	Stoddard solvent	
013463-67-7	Titanium dioxide	
Penn Special Hazardous Substances (>.01%) :		
(No Product Ingredients Listed)		
Rhode Island Hazardous Substances (>.1%) :		
008052-41-3	Stoddard solvent	
013463-67-7	Titanium dioxide	
001330-20-7	Xylenes (o-, m-, p- isomers)	
RCRA Status (>.01%) :		
(No Product Ingredients Listed)		
N.J. RTK Substances (>1%) :		

008052-41-3 Stoddard solvent
 013463-67-7 Titanium dioxide
 N.J. Special Hazardous
 Substances (>.01%) :
 (No Product Ingredients
 Listed)
 000100-41-4 Ethyl benzene
 000078-83-1 Isobutyl alcohol
 000107-98-2 Propylene glycol monomethyl ether
 001330-20-7 Xylenes (o-, m-, p- isomers)
 N.J. Env. Hazardous Substances
 (>.1%) :
 027253-31-2 Cobalt neodecanoate
 000095-63-6 Pseudocumene
 001330-20-7 Xylenes (o-, m-, p- isomers)
 Proposition 65 – Carcinogens
 (>0%):
 014808-60-7 Quartz
 014464-46-1 Silica, cristobalite
 Proposition 65 – Female Repro
 Toxins (>0%):
 (No Product Ingredients
 Listed)
 Proposition 65 – Male Repro
 Toxins (>0%):
 (No Product Ingredients
 Listed)
 Proposition 65 – Developmental
 Toxins (>0%):
 (No Product Ingredients
 Listed)

16. OTHER INFORMATION

The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to the information contained herein. We accept no responsibility and disclaim all liability for any harmful effects which may be caused by exposure to our products. Customers/users of this product must comply with all applicable health and safety laws, regulations, and orders.

End Of Document

MATERIAL SAFETY DATA SHEET

Sales Order: {SalesOrd}

INTERLAC 665FD ULTRA DEEP BASE

MSDS Revision No: B0 -
MSDS Revision Date: 01/19/2006

International Paint LLC

6001 Antoine Drive

Houston, Texas 77091

EMERGENCY NUMBERS:

(800) 424-9300	CHEMTREC (USA)
(703) 527-3887	CHEMTREC (Intl)
(800) 854-6813	Poison Control Center
CUSTOMER SERVICE: (Non-Emergency)	
(800) 588-1267	International Paint
(800) 631-7481	Interlux

1. GENERAL INFORMATION

Product Identity: INTERLAC 665FD ULTRA DEEP BASE

Bulk Sales Reference No: 66544

IMPORTANT: Read this MSDS before handling or disposing of this product, and provide this information to the employee, customers, and users of this product. PLEASE NOTE THE MSDS REVISION NUMBER AT THE TOP OF THIS PAGE. If the MSDS Revision Number posted at the top of this page does not match the MSDS Revision Number on the product label, please contact Customer Service at the phone number included above for the correct MSDS. This product is covered by the OSHA Hazard Communication Standard and this document has been prepared in accordance with requirements of this standard.

NOTICE: OSHA hazardous chemicals are listed in Section 2 if present at 1% or more. Carcinogens and extraordinarily/special hazardous chemicals are listed in Section 2 if present at .1% or more. Additional regulatory information for specific chemical categories is included in Section 15.

2. HAZARDOUS INGREDIENT INFORMATION

CAS No.	Ingredient Name & %	Source	Exposure Data
000100-41-4	Ethyl benzene 10 – 25% by Weight	OSHA:	100 ppm TWA; 435 mg/m ³ TWA 125 ppm STEL; 545 mg/m ³ STEL
		ACGIH:	100 ppm TWA 125 ppm STEL
		NIOSH:	100 ppm TWA; 435 mg/m ³ TWA 125 ppm STEL; 545 mg/m ³ STEL 800 ppm IDLH
		Supplier:	No Established Limit
		OHSA, CAN:	100 ppm TWAEV; 435 mg/m ³ TWAEV 125 ppm STEV; 540 mg/m ³ STEV
		Mexico:	100 ppm TWA; 435 mg/m ³ TWA 125 ppm STEL; 545 mg/m ³ STEL
		Brazil:	78 ppm TWA; 340 mg/m ³ TWA
		Source	Health Data
		NIOSH:	Eye skin
		Source	Carcinogen Data
		OSHA:	Select Carcinogen: No
		NTP:	Known Carcinogen: No; Suspected Carcinogen: No
		IARC:	Group 1: No; Group 2A: No; Group 2b: Yes; Group 3: No; Group 4: No

CAS No.	Ingredient Name & %	Source	Exposure Data
001330-20-7	Xylenes (o-, m-, p- isomers) 25 – 50% by Weight	OSHA:	100 ppm TWA; 435 mg/m ³ TWA 150 ppm STEL; 655 mg/m ³ STEL
		ACGIH:	100 ppm TWA 150 ppm STEL
		NIOSH:	No Established Limit
		Supplier:	No Established Limit
		OHSA, CAN:	100 ppm TWAEV; 435 mg/m ³ TWAEV 150 ppm STEV; 650 mg/m ³ STEV
		Mexico:	100 ppm TWA; 435 mg/m ³ TWA 150 ppm STEL; 655 mg/m ³ STEL
		Brazil:	78 ppm TWA; 340 mg/m ³ TWA
		Source	Health Data
		NIOSH:	Central nervous system depressant; respiratory and eye irritation
		Source	Carcinogen Data
		OSHA:	Select Carcinogen: No

NTP:

Known Carcinogen: No; Suspected Carcinogen: No

IARC:

Group 1: No; Group 2A: No;
Group 2b: No; Group 3: Yes; Group 4: No

3. HAZARD IDENTIFICATION

Overview:	NOTICE: Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal. Avoid contact with eyes, skin and clothing.		
Inhalation:	Harmful if inhaled. Causes nose and throat irritation. Vapors may affect the brain or nervous system causing dizziness, headache or nausea.		
Eyes:	Causes severe eye irritation. Do not get in eyes.		
Skin:	Causes skin irritation. May be harmful if absorbed through the skin.		
Ingestion:	Harmful if swallowed. May cause abdominal pain, nausea, vomiting, diarrhea, or drowsiness.		
Chronic Effects:	Contains an ingredient which can cause organ damage (See Section 2 and Section 15 for each ingredient). Birth defect hazard. Contains an ingredient which can cause birth defects (See Section 2 and Section 15 for each ingredient).		
HMIS Rating:	Health: 2*	Flammability: 3	Reactivity: 0

4. FIRST AID MEASURES

General:	Remove contaminated clothing and shoes. Get medical attention immediately. Wash clothing before reuse. Thoroughly clean or destroy contaminated shoes.
Inhalation:	If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately.
Eyes:	In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention immediately.
Skin:	In case of contact, immediately flush skin with soap and plenty of water. Get medical attention immediately.
Ingestion:	If swallowed, immediately contact Poison Control Center at 1-800-854-6813. DO NOT induce vomiting unless instructed to do so by medical personnel. Never give anything by mouth to an unconscious person.

5. PROTECTIVE EQUIPMENT AND CONTROL MEASURES

Respiratory:	Select equipment to provide protection from the ingredients listed in Section 2 of this document. Ensure fresh air entry during application and drying. If you experience eye watering, headache or dizziness or if air monitoring demonstrates dust, vapor, or mist levels are above applicable limits, wear an appropriate, properly fitted respirator (NIOSH approved) during and after application. Follow respirator manufacturer's directions for respirator use. FOR USERS OF 3M RESPIRATORY PROTECTION ONLY: For information and assistance on 3M occupational health and safety products, call OH&ESD Technical Service toll free in U.S.A. 1-800-243-4630, in Canada call 1-800-267-4414. Please do not contact these numbers regarding other manufacturer's respiratory protection products. 3M does not endorse the accuracy of the information contained in this Material Safety Data Sheet.
Eyes:	Do not get in eyes. Protective equipment should be selected to provide protection from exposure to the chemicals listed in Section 2 of this document. Depending on the site-specific conditions of use, safety glasses, chemical goggles, and/or head and face protection may be required to prevent contact. The equipment must be thoroughly cleaned, or discarded after each use.
Skin/Hand:	Protective equipment should be selected to provide protection from exposure to the chemicals listed in Section 2 of this document. Depending on the site-specific conditions of use, protective gloves, apron, boots, head and face protection may be required to prevent contact. The equipment must be thoroughly cleaned, or discarded after each use.
Engineering Controls:	Prevent build-up of vapors by opening all windows and doors to achieve cross-ventilation.
Other Work Practices:	Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Use good personal hygiene practices. Wash hands before eating, drinking, using toilet facilities, etc. Promptly remove soiled clothing and wash clothing thoroughly before reuse. Shower after work using plenty of soap and water.

6. FIRE AND EXPLOSION INFORMATION

Flash Point:	F: 79 C: 26
Lower Explosive Limit (LEL):	1 (%vol in air) at Normal Atmospheric Temp and Pressure
Fire and Explosion Hazards:	Flammable liquid and vapor. FLAMMABLE/COMBUSTIBLE MATERIALS: Will be easily ignited by heat, sparks or flames. Vapors may form explosive mixtures with air. Vapors may travel to source of ignition and

Fire Fighting Procedures:	flash back. Most vapors are heavier than air. They will spread along ground and collect in low or confined areas (sewers, basements, tanks) creating a vapor explosion hazard. Runoff to sewers may create fire or explosion hazard. Containers may explode when heated.
	CAUTION: This product has a very low flashpoint. Use of water spray when fighting fire may be inefficient.
	SMALL FIRES: Use dry chemical, CO ₂ , water spray or alcohol-resistant foam. LARGE FIRES: Use water spray, fog, or alcohol-resistant foam. Do not use straight streams. Move containers from fire area if you can do so without risk. Runoff from fire control may cause pollution. Dike fire control water for later disposal. Do not scatter the material.
	Also Reference Emergency Response Guide Number: 127

7. PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Liquid
pH:	No Established Limit
Specific Gravity:	0.964886
Boiling Point (F):	277
Vapor Density:	Heavier than air
VOC Content (lbs):	Refer to the Technical Data Sheet for this product.
Evaporation Rate:	Slower than ether

8. STABILITY AND REACTIVITY DATA

General:	This product is stable and hazardous polymerization will not occur.
Incompatible Materials:	Strong oxidizing agents.
Hazardous Decomposition:	May produce hazardous fumes when heated to decomposition as in welding. Fumes may produce Carbon Dioxide and Carbon Monoxide.

9. HANDLING AND STORAGE

Storage Temperature:	Store at a minimum of 77°F (25°C).
Handling and Storage Precautions:	Keep away from heat, sparks and flame. Do not smoke. Extinguish all flames and pilot lights, and turn off stoves, heaters, electric motors and other sources of ignition during use and until all vapors are gone. Vapors may cause flash fire or ignite explosively. Prevent build-up of vapors by opening all windows and doors to achieve cross-ventilation. Do not get in eyes, on skin or clothing. Close container after each use. Wash thoroughly after handling.

10. TOXICOLOGICAL DATA

General:	NOTICE: Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal. No additional information provided for this product. See Section 2 for chemical specific data.
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11. ECOLOGICAL DATA

General:	No additional information provided for this product. See Section 2 for chemical specific data.
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12. ACCIDENTAL RELEASE MEASURES

Spill Response Procedures:	ELIMINATE ALL IGNITION SOURCES (no smoking, flares, sparks or flames in immediate area). Use only non-sparking equipment to handle spilled material and absorbent. Do not touch or walk through spilled material. Stop leak if you can do so without risk. Prevent entry into waterways, sewers, basements or confined areas. A vapor suppressing foam may be used to reduce vapors. Absorb or cover with dry earth, sand, or other non-combustible material and transfer to containers. Use non-sparking tools to collect absorbed material.
Public Safety:	CALL CHEMTREC at (800)-424-9300 for emergency response. Isolate spill or leak area immediately for at least 25 to 50 meters (80 to 160 feet) in all directions. Keep unauthorized personnel away. Stay upwind. Keep out of

low areas. Ventilate closed spaces before entering. LARGE SPILLS: Consider initial downwind evacuation for at least 300 meters (1000 feet).
Also, Reference Emergency Response Guide Number: 127

13. DISPOSAL CONSIDERATION

Waste Disposal:	Dispose of in accordance with local, state and federal regulations. (Also reference RCRA information in Section 15 if listed).
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14. TRANSPORTATION INFORMATION

DOT (Domestic Surface Transportation)		IMO / IMDG (Ocean Transportation)	
DOT Proper Shipping Name: PAINT		IMDG Proper Shipping Name: PAINT	
DOT Hazard Class:	3	IMDG Hazard Class:	3.3 – High flashpoint flammable liquids
UN / NA Number:	UN 1263	UN Number:	UN 1263
DOT Packing Group:	III	IMDG Packing Group:	III
CERCLA/DOT RQ:	27 gal. / 213 lbs.	System Reference Code:	1

15. REGULATORY INFORMATION

Regulatory Overview:	<p>The regulatory data in Section 15 is not intended to be all-inclusive, only selected regulations are represented. All ingredients of this product are listed on the TSCA (Toxic Substance Control Act) Inventory or are not required to be listed on the TSCA Inventory.</p> <p>Note: Any chemical ingredients listed in Section 15, that do not also appear in Section 2, are contained in the product at a concentration below the applicable OSHA threshold level of 1% or 0.1%.</p>		
WHMIS Classification:	B2:D2B		
Regulatory List	Product Ingredients on List		
DOT Marine Pollutants (10%): (No Product Ingredients Listed)			
DOT Severe Marine Pollutants (1%): (No Product Ingredients Listed)			
EPCRA 311/312 Chemicals and RQs (>.1%):			
000100-41-4	Ethyl benzene : 1000 lb final RQ; 454 kg final RQ		
001330-20-7	Xylenes (o-, m-, p- isomers) : 100 lb final RQ; 45.4 kg final RQ		
EPCRA 302 Extremely Hazardous (>.1%): (No Product Ingredients Listed)			
EPCRA 313 Toxic Chemicals (>.1%):			
000100-41-4	Ethyl benzene		
000107-98-2	Propylene glycol monomethyl ether		
001330-20-7	Xylenes (o-, m-, p- isomers)		
Mass RTK Substances (>1%):			
000100-41-4	Ethyl benzene		
001330-20-7	Xylenes (o-, m-, p- isomers)		
Mass Extraordinarily Haz Sub (>.01%):			
014808-60-7	Quartz		
014464-46-1	Silica, cristobalite		
Penn RTK Substances (>1%):			
000100-41-4	Ethyl benzene		
001330-20-7	Xylenes (o-, m-, p- isomers)		
Penn Special Hazardous			

Substances (>.01%) :

(No Product Ingredients

Listed)

Rhode Island Hazardous

Substances (>.1%) :

000100-41-4

Ethyl benzene

000107-98-2

Propylene glycol monomethyl ether

008052-41-3

Stoddard solvent

001330-20-7

Xylenes (o-, m-, p- isomers)

RCRA Status (>.01%) :

(No Product Ingredients

Listed)

N.J. RTK Substances (>1%) :

000100-41-4

Ethyl benzene

001330-20-7

Xylenes (o-, m-, p- isomers)

N.J. Special Hazardous

Substances (>.01%) :

000100-41-4

Ethyl benzene

000107-98-2

Propylene glycol monomethyl ether

001330-20-7

Xylenes (o-, m-, p- isomers)

N.J. Env. Hazardous Substances

(>.1%) :

000100-41-4

Ethyl benzene

000107-98-2

Propylene glycol monomethyl ether

001330-20-7

Xylenes (o-, m-, p- isomers)

Proposition 65 – Carcinogens

(>0%):

014808-60-7

Quartz

014464-46-1

Silica, cristobalite

Proposition 65 – Female Repro

Toxins (>0%):

(No Product Ingredients

Listed)

Proposition 65 – Male Repro

Toxins (>0%):

(No Product Ingredients

Listed)

Proposition 65 – Developmental

Toxins (>0%):

(No Product Ingredients

Listed)

16. OTHER INFORMATION

The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to the information contained herein. We accept no responsibility and disclaim all liability for any harmful effects which may be caused by exposure to our products. Customers/users of this product must comply with all applicable health and safety laws, regulations, and orders.

End Of Document

MATERIAL SAFETY DATA SHEET

Sales Order: {SalesOrd}

INTERTUF 262 BLACK BASE



International Paint LLC

6001 Antoine Drive

Houston, Texas 77091

MSDS Revision No: N9-17
MSDS Revision Date: 02/17/2006

EMERGENCY NUMBERS:

(800) 424-9300	CHEMTREC (USA)
(703) 527-3887	CHEMTREC (intl)
(800) 854-6813	Poison Control Center
CUSTOMER SERVICE: (Non-Emergency)	
(800) 588-1267	International Paint
(800) 631-7481	Interlux

1. GENERAL INFORMATION

Product Identity: INTERTUF 262 BLACK BASE

Bulk Sales Reference No: KHA304

IMPORTANT: Read this MSDS before handling or disposing of this product, and provide this information to the employee, customers, and users of this product. PLEASE NOTE THE MSDS REVISION NUMBER AT THE TOP OF THIS PAGE. If the MSDS Revision Number posted at the top of this page does not match the MSDS Revision Number on the product label, please contact Customer Service at the phone number included above for the correct MSDS. This product is covered by the OSHA Hazard Communication Standard and this document has been prepared in accordance with requirements of this standard.

NOTICE: OSHA hazardous chemicals are listed in Section 2 if present at 1% or more. Carcinogens and extraordinarily/special hazardous chemicals are listed in Section 2 if present at .1% or more. Additional regulatory information for specific chemical categories is included in Section 15.

2. HAZARDOUS INGREDIENT INFORMATION

CAS No.	Ingredient Name & %	Source	Exposure Data
000071-36-3	n-Butyl alcohol 1.0 – 10% by Weight	OSHA:	100 ppm TWA; 300 mg/m3 TWA50 ppm Ceiling; 150 mg/m3 Ceiling
		ACGIH:	20 ppm TWA
		NIOSH:	50 ppm Ceiling; 150 mg/m3 Ceiling1400 ppm IDLH
		Supplier:	No Established Limit
		OHSA, CAN:	50 ppm CEV; 150 mg/m3 CEV
		Mexico:	50 ppm STEL; 150 mg/m3 STEL
		Brazil:	No Established Limit
		Source	Health Data
		NIOSH:	Eye and mucous membrane irritation CNS depression
		Source	Carcinogen Data
		OSHA:	Select Carcinogen: No
		NTP:	Known Carcinogen: No; Suspected Carcinogen: No
		IARC:	Group 1: No; Group 2A: No; Group 2b: No; Group 3: No; Group 4: No

CAS No.	Ingredient Name & %	Source	Exposure Data
000095-63-6	Pseudocumene 1.0 – 10% by Weight	OSHA:	No Established Limit
		ACGIH:	No Established Limit
		NIOSH:	25 ppm TWA; 125 mg/m3 TWA
		Supplier:	No Established Limit
		OHSA, CAN:	No Established Limit
		Mexico:	No Established Limit
		Brazil:	No Established Limit
		Source	Health Data
		NIOSH:	No Established Limit
		Source	Carcinogen Data
		OSHA:	Select Carcinogen: No
		NTP:	Known Carcinogen: No; Suspected Carcinogen: No
		IARC:	Group 1: No; Group 2A: No; Group 2b: No; Group 3: No; Group 4: No

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CAS No.	Ingredient Name & %	Source	Exposure Data
000108-67-8	TRIMETHYLBENZENE 1.0 – 10% by Weight	OSHA:	No Established Limit
		ACGIH:	No Established Limit
		NIOSH:	25 ppm TWA; 125 mg/m3 TWA
		Supplier:	No Established Limit
		OHSA, CAN:	No Established Limit
		Mexico:	No Established Limit
		Brazil:	No Established Limit
		Source	Health Data
		NIOSH:	No Established Limit
		Source	Carcinogen Data
		OSHA:	Select Carcinogen: No
		NTP:	Known Carcinogen: No; Suspected Carcinogen: No
		IARC:	Group 1: No; Group 2A: No; Group 2b: No; Group 3: No; Group 4: No

CAS No.	Ingredient Name & %	Source	Exposure Data
000110-43-0	Methyl n-amyl ketone 1.0 – 10% by Weight	OSHA:	100 ppm TWA; 465 mg/m3 TWA
		ACGIH:	50 ppm TWA
		NIOSH:	100 ppm TWA; 465 mg/m3 TWA800 ppm IDLH
		Supplier:	No Established Limit
		OHSA, CAN:	25 ppm TWAEV; 115 mg/m3 TWAEV
		Mexico:	50 ppm TWA; 235 mg/m3 TWA100 ppm STEL; 465 mg/m3 STEL
		Brazil:	No Established Limit
		Source	Health Data
		NIOSH:	Irritation; liver kidney
		Source	Carcinogen Data
		OSHA:	Select Carcinogen: No
		NTP:	Known Carcinogen: No; Suspected Carcinogen: No
		IARC:	Group 1: No; Group 2A: No; Group 2b: No; Group 3: No; Group 4: No

CAS No.	Ingredient Name & %	Source	Exposure Data
007727-43-7	Barium sulfate 1.0 – 10% by Weight	OSHA:	15 mg/m3 TWA (total dust); 5 mg/m3 TWA (respirable fraction)
		ACGIH:	10 mg/m3 TWA
		NIOSH:	10 mg/m3 TWA (total dust); 5 mg/m3 TWA (respirable dust)50 mg/m3 IDLH (as Ba, except barium sulfate)
		Supplier:	No Established Limit
		OHSA, CAN:	10 mg/m3 TWAEV (total dust)
		Mexico:	0.5 mg/m3 TWA
		Brazil:	No Established Limit
		Source	Health Data
		NIOSH:	Eye nose
		Source	Carcinogen Data
		OSHA:	Select Carcinogen: No
		NTP:	Known Carcinogen: No; Suspected Carcinogen: No
		IARC:	Group 1: No; Group 2A: No; Group 2b: No; Group 3: No; Group 4: No

CAS No.	Ingredient Name & %	Source	Exposure Data
025036-25-3	Polymer of epoxy resin and bisphenol A 1.0 – 10% by Weight	OSHA:	No Established Limit
		ACGIH:	No Established Limit
		NIOSH:	No Established Limit
		Supplier:	No Established Limit
		OHSA, CAN:	No Established Limit

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	Mexico:	No Established Limit
	Brazil:	No Established Limit
	Source	Health Data
	NIOSH:	No Established Limit
	Source	Carcinogen Data
	OSHA:	Select Carcinogen: No
	NTP:	Known Carcinogen: No; Suspected Carcinogen: No
	IARC:	Group 1: No; Group 2A: No; Group 2b: No; Group 3: No; Group 4: No

CAS No.	Ingredient Name & %	Source	Exposure Data
025085-99-82, 2'-4-BUTYLIDENE BISPHENYLENE OXYMETHYLENE	OXIRANE, 10 – 25% by Weight	OSHA:	No Established Limit
		ACGIH:	No Established Limit
		NIOSH:	No Established Limit
		Supplier:	No Established Limit
		OHSA, CAN:	No Established Limit
		Mexico:	No Established Limit
		Brazil:	No Established Limit
		Source	Health Data
		NIOSH:	No Established Limit
		Source	Carcinogen Data
		OSHA:	Select Carcinogen: No
		NTP:	Known Carcinogen: No; Suspected Carcinogen: No
		IARC:	Group 1: No; Group 2A: No; Group 2b: No; Group 3: No; Group 4: No

CAS No.	Ingredient Name & %	Source	Exposure Data
064742-95-6	Petroleum naphtha, light aromatic 1.0 – 10% by Weight	OSHA:	No Established Limit
		ACGIH:	No Established Limit
		NIOSH:	No Established Limit
		Supplier:	No Established Limit
		OHSA, CAN:	No Established Limit
		Mexico:	No Established Limit
		Brazil:	No Established Limit
		Source	Health Data
		NIOSH:	No Established Limit
		Source	Carcinogen Data
		OSHA:	Select Carcinogen: No
		NTP:	Known Carcinogen: No; Suspected Carcinogen: No
		IARC:	Group 1: No; Group 2A: No; Group 2b: No; Group 3: No; Group 4: No

CAS No.	Ingredient Name & %	Source	Exposure Data
14807-96-6*	Talc (*non-asbestiform) 10 – 25% by Weight	OSHA:	No Established Limit
		ACGIH:	No Established Limit
		NIOSH:	No Established Limit
		Supplier:	No Established Limit
		OHSA, CAN:	No Established Limit
		Mexico:	No Established Limit
		Brazil:	No Established Limit
		Source	Health Data
		NIOSH:	No Established Limit
		Source	Carcinogen Data
		OSHA:	Select Carcinogen: No
		NTP:	Known Carcinogen: No; Suspected Carcinogen: No

IARC:

Group 1: No; Group 2A: No;
Group 2b: No; Group 3: No; Group 4: No

3. HAZARD IDENTIFICATION

Overview:	NOTICE: Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal. Avoid contact with eyes, skin and clothing. Contains 1,2,4-Trimethylbenzene which can cause central nervous system depression, anemia and bronchitis.		
Inhalation:	May be harmful or fatal if inhaled. Causes nose and throat irritation. Vapors may affect the brain or nervous system causing dizziness, headache or nausea.		
Eyes:	Causes severe eye irritation. Do not get in eyes.		
Skin:	Causes skin irritation. May cause allergic skin reaction. May be harmful if absorbed through the skin.		
Ingestion:	Harmful if swallowed. May cause abdominal pain, nausea, vomiting, diarrhea, or drowsiness.		
Chronic Effects:	Contains an ingredient which can cause organ damage (See Section 2 and Section 15 for each ingredient). Cancer hazard. Contains an ingredient which can cause cancer (See Section 2 and Section 15 for each ingredient). Risk of cancer depends on duration and level of exposure.		
HMIS Rating:	Health: 2	Flammability: 2	Reactivity: 0

4. FIRST AID MEASURES

General:	Remove contaminated clothing and shoes. Get medical attention immediately. Wash clothing before reuse. Thoroughly clean or destroy contaminated shoes.
Inhalation:	If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately.
Eyes:	In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention immediately.
Skin:	In case of contact, immediately flush skin with soap and plenty of water. Get medical attention immediately.
Ingestion:	If swallowed, immediately contact Poison Control Center at 1-800-854-6813. DO NOT induce vomiting unless instructed to do so by medical personnel. Never give anything by mouth to an unconscious person.

5. PROTECTIVE EQUIPMENT AND CONTROL MEASURES

Respiratory:	Select equipment to provide protection from the ingredients listed in Section 2 of this document. Ensure fresh air entry during application and drying. If you experience eye watering, headache or dizziness or if air monitoring demonstrates dust, vapor, or mist levels are above applicable limits, wear an appropriate, properly fitted respirator (NIOSH approved) during and after application. Follow respirator manufacturer's directions for respirator use. FOR USERS OF 3M RESPIRATORY PROTECTION ONLY: For information and assistance on 3M occupational health and safety products, call OH&ESD Technical Service toll free in U.S.A. 1-800-243-4630, in Canada call 1-800-267-4414. Please do not contact these numbers regarding other manufacturer's respiratory protection products. 3M does not endorse the accuracy of the information contained in this Material Safety Data Sheet.
Eyes:	Do not get in eyes. Protective equipment should be selected to provide protection from exposure to the chemicals listed in Section 2 of this document. Depending on the site-specific conditions of use, safety glasses, chemical goggles, and/or head and face protection may be required to prevent contact. The equipment must be thoroughly cleaned, or discarded after each use.
Skin/Hand:	Protective equipment should be selected to provide protection from exposure to the chemicals listed in Section 2 of this document. Depending on the site-specific conditions of use, protective gloves, apron, boots, head and face protection may be required to prevent contact. The equipment must be thoroughly cleaned, or discarded after each use.
Engineering Controls:	Prevent build-up of vapors by opening all windows and doors to achieve cross-ventilation.
Other Work Practices:	Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Use good personal hygiene practices. Wash hands before eating, drinking, using toilet facilities, etc. Promptly remove soiled clothing and wash clothing thoroughly before reuse. Shower after work using plenty of soap and water.

6. FIRE AND EXPLOSION INFORMATION

Flash Point:	F: 110 C: 43
Lower Explosive Limit (LEL):	1 (%vol in air) at Normal Atmospheric Temp and Pressure
Fire and Explosion Hazards:	

Fire Fighting Procedures:

Combustible liquid and vapor. **FLAMMABLE/COMBUSTIBLE MATERIALS:** Will be easily ignited by heat, sparks or flames. Vapors may form explosive mixtures with air. Vapors may travel to source of ignition and flash back. Most vapors are heavier than air. They will spread along ground and collect in low or confined areas (sewers, basements, tanks) creating a vapor explosion hazard. Runoff to sewers may create fire or explosion hazard. Containers may explode when heated.

CAUTION: This product has a very low flashpoint. Use of water spray when fighting fire may be inefficient. **SMALL FIRES:** Use dry chemical, CO₂, water spray or alcohol-resistant foam. **LARGE FIRES:** Use water spray, fog, or alcohol-resistant foam. Do not use straight streams. Move containers from fire area if you can do so without risk. Runoff from fire control may cause pollution. Dike fire control water for later disposal. Do not scatter the material.

Also Reference Emergency Response Guide Number: 127

7. PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Liquid
pH:	No Established Limit
Specific Gravity:	1.500771
Boiling Point (F):	243
Vapor Density:	Heavier than air
VOC Content (lbs):	Refer to the Technical Data Sheet for this product.
Evaporation Rate:	Slower than ether

8. STABILITY AND REACTIVITY DATA

General:	This product is stable and hazardous polymerization will not occur.
Incompatible Materials:	Strong oxidizing agents.
Hazardous Decomposition:	May produce hazardous fumes when heated to decomposition as in welding. Fumes may produce Carbon Dioxide and Carbon Monoxide.

9. HANDLING AND STORAGE

Storage Temperature:	Store between 40–100°F (4–38°C).
Handling and Storage Precautions:	Keep away from heat, sparks and flame. Do not smoke. Extinguish all flames and pilot lights, and turn off stoves, heaters, electric motors and other sources of ignition during use and until all vapors are gone. Vapors may cause flash fire or ignite explosively. Prevent build-up of vapors by opening all windows and doors to achieve cross-ventilation. Do not get in eyes, on skin or clothing. Close container after each use. Wash thoroughly after handling.

10. TOXICOLOGICAL DATA

General:	NOTICE: Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal. No additional information provided for this product. See Section 2 for chemical specific data.
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11. ECOLOGICAL DATA

General:	No additional information provided for this product. See Section 2 for chemical specific data.
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12. ACCIDENTAL RELEASE MEASURES

Spill Response Procedures:	ELIMINATE ALL IGNITION SOURCES (no smoking, flares, sparks or flames in immediate area). Use only non-sparking equipment to handle spilled material and absorbent. Do not touch or walk through spilled material. Stop leak if you can do so without risk. Prevent entry into waterways, sewers, basements or confined areas. A vapor suppressing foam may be used to reduce vapors. Absorb or cover with dry earth, sand, or other non-combustible material and transfer to containers. Use non-sparking tools to collect absorbed material.
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KHA304_N9

Public Safety:

CALL CHEMTREC at (800)-424-9300 for emergency response. Isolate spill or leak area immediately for at least 25 to 50 meters (80 to 160 feet) in all directions. Keep unauthorized personnel away. Stay upwind. Keep out of low areas. Ventilate closed spaces before entering. LARGE SPILLS: Consider initial downwind evacuation for at least 300 meters (1000 feet).
Also, Reference Emergency Response Guide Number: 127

13. DISPOSAL CONSIDERATION

Waste Disposal: Dispose of in accordance with local, state and federal regulations. (Also reference RCRA information in Section 15 if listed).

14. TRANSPORTATION INFORMATION

DOT (Domestic Surface Transportation)		IMO / IMDG (Ocean Transportation)	
DOT Proper Shipping Name: PAINT		IMDG Proper Shipping Name: PAINT	
DOT Hazard Class:	3	IMDG Hazard Class:	3.3 – High flashpoint flammable liquids
UN / NA Number:	UN 1263	UN Number:	UN 1263
DOT Packing Group:	III	IMDG Packing Group:	III
CERCLA/DOT RQ:	3539 gal. / 44248 lbs.	System Reference Code:	2

15. REGULATORY INFORMATION

Regulatory Overview:	<p>The regulatory data in Section 15 is not intended to be all-inclusive, only selected regulations are represented. All ingredients of this product are listed on the TSCA (Toxic Substance Control Act) Inventory or are not required to be listed on the TSCA Inventory.</p> <p>Note: Any chemical ingredients listed in Section 15, that do not also appear in Section 2, are contained in the product at a concentration below the applicable OSHA threshold level of 1% or 0.1%.</p>	
WHMIS Classification:	B3:D2B	
Regulatory List	Product Ingredients on List	
DOT Marine Pollutants (10%): (No Product Ingredients Listed)		
DOT Severe Marine Pollutants (1%): (No Product Ingredients Listed)		
EPCRA 311/312 Chemicals and RQs (>.1%) :		
(No Product Ingredients Listed)		
EPCRA 302 Extremely Hazardous (>.1%) :		
(No Product Ingredients Listed)		
EPCRA 313 Toxic Chemicals (>.1%) :		
000098-82-8	Cumene	
000071-36-3	n-Butyl alcohol	
000095-63-6	Pseudocumene	
001330-20-7	Xylenes (o-, m-, p- isomers)	
Mass RTK Substances (>1%) :		
007727-43-7	Barium sulfate	
000110-43-0	Methyl n-amyyl ketone	
000071-36-3	n-Butyl alcohol	
000095-63-6	Pseudocumene	
000108-67-8	TRIMETHYLBENZENE	
Mass Extraordinarily Haz Sub (>.01%) :		

(No Product Ingredients Listed)

Penn RTK Substances (>1%) :

007727-43-7	Barium sulfate
000110-43-0	Methyl n-amy ketone
000071-36-3	n-Butyl alcohol
000095-63-6	Pseudocumene

Penn Special Hazardous Substances (>.01%) :

(No Product Ingredients Listed)

Rhode Island Hazardous Substances (>.1%) :

000071-36-3	n-Butyl alcohol
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RCRA Status (>.01%) :

(No Product Ingredients Listed)

N.J. RTK Substances (>1%) :

(No Product Ingredients Listed)

N.J. Special Hazardous Substances (>.01%) :

000098-82-8	Cumene
000071-36-3	n-Butyl alcohol
001330-20-7	Xylenes (o-, m-, p- isomers)

N.J. Env. Hazardous Substances (>.1%) :

000098-82-8	Cumene
000071-36-3	n-Butyl alcohol
000095-63-6	Pseudocumene
001330-20-7	Xylenes (o-, m-, p- isomers)

Proposition 65 – Carcinogens (>0%):

007440-02-0	Nickel
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Proposition 65 – Female Repro Toxins (>0%):

(No Product Ingredients Listed)

Proposition 65 – Male Repro Toxins (>0%):

(No Product Ingredients Listed)

Proposition 65 – Developmental Toxins (>0%):

(No Product Ingredients Listed)

16. OTHER INFORMATION

The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to the information contained herein. We accept no responsibility and disclaim all liability for any harmful effects which may be caused by exposure to our products. Customers/users of this product must comply with all applicable health and safety laws, regulations, and orders.

End Of Document

MATERIAL SAFETY DATA SHEET

Sales Order: {SalesOrd}

INTERTUF 262/INTERSEAL 670/INTERBOND 201
CONVERTERMSDS Revision No: A7 -7
MSDS Revision Date: 01/07/2004

International Paint Inc.

6001 Antoine Drive

Houston, Texas 77091

EMERGENCY NUMBERS:

(800) 424-9300 CHEMTREC (USA)
(703) 527-3887 CHEMTREC (Intl)
(800) 854-6813 Poison Control Center

CUSTOMER SERVICE: (Non-Emergency)

(800) 589-1267 International Paint
(800) 631-7481 Interlux

1. GENERAL INFORMATION

Product Identity: INTERTUF 262/INTERSEAL 670/INTERBOND 201 CONVERTER**Bulk Sales Reference No:** KHA414

IMPORTANT: Read this MSDS before handling or disposing of this product, and provide this information to the employee, customers, and users of this product. PLEASE NOTE THE MSDS REVISION NUMBER AT THE TOP OF THIS PAGE. If the MSDS Revision Number posted at the top of this page does not match the MSDS Revision Number on the product label, please contact Customer Service at the phone number included above for the correct MSDS. This product is covered by the OSHA Hazard Communication Standard and this document has been prepared in accordance with requirements of this standard.

NOTICE: OSHA hazardous chemicals are listed in Section 2 if present at 1% or more. Carcinogens and extraordinarily/special hazardous chemicals are listed in Section 2 if present at .1% or more. Additional regulatory information for specific chemical categories is included in Section 15.

2. HAZARDOUS INGREDIENT INFORMATION

CAS No.	Ingredient Name & %	Source	Exposure Data
000071-36-3	n-Butyl alcohol 25 - 50% by Weight	OSHA:	100 ppm TWA; 300 mg/m3 TWA50 ppm Ceiling; 150 mg/m3 Ceiling
		ACGIH:	20 ppm TWA
		NIOSH:	50 ppm Ceiling; 150 mg/m3 Ceiling1400 ppm IDLH
		Supplier:	No Data Available
		OHSA, CAN:	50 ppm CEV; 150 mg/m3 CEV
		Mexico:	50 ppm STEL; 150 mg/m3 STEL
		Brazil:	No Data Available
		Source	Health Data
		NIOSH:	Eye and mucous membrane irritation CNS depression
		Source	Carcinogen Data
		OSHA:	Select Carcinogen: No
		NTP:	Known Carcinogen: No; Suspected Carcinogen: No
		IARC:	Group 1: No; Group 2A: No; Group 2b: No; Group 3: No; Group 4: No

CAS No.	Ingredient Name & %	Source	Exposure Data
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000107-15-3	Ethylene diamine 1.0 - 10% by Weight	OSHA:	10 ppm TWA; 25 mg/m3 TWA
		ACGIH:	10 ppm TWA
		NIOSH:	10 ppm TWA; 25 mg/m3 TWA1000 ppm IDLH
		Supplier:	No Data Available
		OHSA, CAN:	10 ppm TWAEV; 25 mg/m3 TWAEV
		Mexico:	10 ppm TWA; 25 mg/m3 TWA3 mg/m3 STEL
		Brazil:	No Data Available
		Source	Health Data
		NIOSH:	Sensitization and primary irritation to the skin mucous membranes
		Source	Carcinogen Data
		OSHA:	Select Carcinogen: No
		NTP:	Known Carcinogen: No; Suspected Carcinogen: No
		IARC:	Group 1: No; Group 2A: No; Group 2b: No; Group 3: No; Group 4: No

3. HAZARD IDENTIFICATION

Overview:	NOTICE: Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal. Avoid contact with eyes, skin and clothing.		
Inhalation:	May be harmful or fatal if inhaled. May cause lung injury. Causes nose and throat irritation. Vapors may affect the brain or nervous system causing dizziness, headache or nausea.		
Eyes:	Causes eye burns. Do not get in eyes.		
Skin:	Causes skin burns. May be harmful if absorbed through the skin.		
Ingestion:	Harmful if swallowed. May cause abdominal pain, nausea, vomiting, diarrhea, or drowsiness.		
Chronic Effects:	Contains an ingredient which can cause organ damage (See Section 2 and Section 15 for each ingredient). Possible cancer hazard. Contains an ingredient which may cause cancer based on animal data (See Section 2 and Section 15 for each ingredient). Risk of cancer depends on duration and level of exposure.		
HMIS Rating:	Health: 3	Flammability: 2	Reactivity: 0

4. FIRST AID MEASURES

General:	Remove contaminated clothing and shoes. Get medical attention immediately. Wash clothing before reuse. Thoroughly clean or destroy contaminated shoes.
Inhalation:	If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately.
Eyes:	In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention immediately.
Skin:	In case of contact, immediately flush skin with soap and plenty of water. Get medical attention immediately.
Ingestion:	If swallowed, immediately contact Poison Control Center at 1-800-854-6813. DO NOT induce vomiting unless instructed to do so by medical personnel. Never give anything by mouth to an unconscious person.

5. PROTECTIVE EQUIPMENT AND CONTROL MEASURES

Respiratory:	Select equipment to provide protection from the ingredients listed in Section 2 of this document. Ensure fresh air entry during application and drying. If you experience eye watering, headache or dizziness or if air monitoring demonstrates dust, vapor, or mist levels are above applicable limits, wear an appropriate, properly fitted respirator (NIOSH approved) during and after application. Follow respirator manufacturer's directions for respirator use. FOR USERS OF 3M RESPIRATORY PROTECTION ONLY: For information and assistance on 3M occupational health and safety products, call OH&ESD Technical Service toll free in U.S.A. 1-800-243-4630, in Canada call 1-800-267-4414. Please do not contact these numbers regarding other manufacturer's respiratory protection products. 3M does not endorse the accuracy of the information contained in this Material Safety Data Sheet.
Eyes:	Do not get in eyes. Protective equipment should be selected to provide protection from exposure to the chemicals listed in Section 2 of this document. Depending on the site-specific conditions of use, safety glasses, chemical goggles, and/or head and face protection may be required to prevent contact. The equipment must be thoroughly cleaned, or discarded after each use.

Skin/Hand:	Protective equipment should be selected to provide protection from exposure to the chemicals listed in Section 2 of this document. Depending on the site-specific conditions of use, protective gloves, apron, boots, head and face protection may be required to prevent contact. The equipment must be thoroughly cleaned, or discarded after each use.
Engineering Controls:	Prevent build-up of vapors by opening all windows and doors to achieve cross-ventilation.
Other Work Practices:	Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Use good personal hygiene practices. Wash hands before eating, drinking, using toilet facilities, etc. Promptly remove soiled clothing and wash clothing thoroughly before reuse. Shower after work using plenty of soap and water.

6. FIRE AND EXPLOSION INFORMATION

Flash Point:	F: 103 C: 39
Lower Explosive Limit (LEL):	1.73 (%vol in air) at Normal Atmospheric Temp and Pressure
Fire and Explosion Hazards:	Combustible liquid and vapor. FLAMMABLE/COMBUSTIBLE MATERIALS: Will be easily ignited by heat, sparks or flames. Vapors may form explosive mixtures with air. Vapors may travel to source of ignition and flash back. Most vapors are heavier than air. They will spread along ground and collect in low or confined areas (sewers, basements, tanks) creating a vapor explosion hazard. Runoff to sewers may create fire or explosion hazard. Containers may explode when heated. CAUTION: This product has a very low flashpoint. Use of water spray when fighting fire may be inefficient. SMALL FIRES: Use dry chemical, CO2, water spray or alcohol-resistant foam. LARGE FIRES: Use water spray, fog, or alcohol-resistant foam. Do not use straight streams. Move containers from fire area if you can do so without risk. Runoff from fire control may cause pollution. Dike fire control water for later disposal. Do not scatter the material.
Fire Fighting Procedures:	Also Reference Emergency Response Guide Number: 127

7. PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Liquid
pH:	Not Determined
Specific Gravity:	0.92968
Boiling Point (F):	243
Vapor Density:	Heavier than air
VOC Content (lbs):	Refer to the Technical Data Sheet for this product.
Evaporation Rate:	Slower than ether

8. STABILITY AND REACTIVITY DATA

General:	This product is stable and hazardous polymerization will not occur.
Incompatible Materials:	Strong oxidizing agents.
Hazardous Decomposition:	May produce hazardous fumes when heated to decomposition as in welding. Fumes may produce Carbon Dioxide and Carbon Monoxide.

9. HANDLING AND STORAGE

Storage Temperature:	Store between 32 and 120 F
Handling and Storage Precautions:	Keep away from heat, sparks and flame. Do not smoke. Extinguish all flames and pilot lights, and turn off stoves, heaters, electric motors and other sources of ignition during use and until all vapors are gone. Vapors may cause flash fire or ignite explosively. Prevent build-up of vapors by opening all windows and doors to achieve cross-ventilation. Do not get in eyes, on skin or clothing. Close container after each use. Wash thoroughly after handling.

10. TOXICOLOGICAL DATA

General:	NOTICE: Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal. No additional information provided for this product. See Section 2 for chemical specific data.
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11. ECOLOGICAL DATA

General:	No additional information provided for this product. See Section 2 for chemical specific data.
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12. ACCIDENTAL RELEASE MEASURES

Spill Response Procedures:	ELIMINATE ALL IGNITION SOURCES (no smoking, flares, sparks or flames in immediate area). Use only non-sparking equipment to handle spilled material and absorbent. Do not touch or walk through spilled material. Stop leak if you can do so without risk. Prevent entry into waterways, sewers, basements or confined areas. A vapor suppressing foam may be used to reduce vapors. Absorb or cover with dry earth, sand, or other non-combustible material and transfer to containers. Use non-sparking tools to collect absorbed material.
Public Safety:	CALL CHEMTREC at (800)-424-9300 for emergency response. Isolate spill or leak area immediately for at least 25 to 50 meters (80 to 160 feet) in all directions. Keep unauthorized personnel away. Stay upwind. Keep out of low areas. Ventilate closed spaces before entering. LARGE SPILLS: Consider initial downwind evacuation for at least 300 meters (1000 feet).
Also, Reference Emergency Response Guide Number: 127	

13. DISPOSAL CONSIDERATION

Waste Disposal:	Dispose of in accordance with local, state and federal regulations. (Also reference RCRA information in Section 15 if listed).
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14. TRANSPORTATION INFORMATION

DOT (Domestic Surface Transportation)		IMO / IMDG (Ocean Transportation)	
DOT Proper Shipping Name:		IMDG Proper Shipping Name:	
PAINT		PAINT	
DOT Hazard Class:	3	IMDG Hazard Class:	3.3 - High flashpoint flammable liquids
UN / NA Number:	UN 1263	UN Number:	UN 1263
DOT Packing Group:	III	IMDG Packing Group:	III
CERCLA/DOT RQ:	2073 gal. / 16057 lbs.	System Reference Code:	1

15. REGULATORY INFORMATION

Regulatory Overview:	The regulatory data in Section 15 is not intended to be all-inclusive, only selected regulations are represented. All ingredients of this product are listed on the TSCA (Toxic Substance Control Act) Inventory or are not required to be listed on the TSCA Inventory. Note: Any chemical ingredients listed in Section 15, that do not also appear in Section 2, are contained in the product at a concentration below the applicable OSHA threshold level of 1% or 0.1%.		
WHMIS Classification:	B3; D2B; E		
Regulatory List	Product Ingredients on List		
DOT Marine Pollutants (10%): (No Product Ingredients Listed)			
DOT Severe Marine Pollutants (1%): (No Product Ingredients Listed)			
EPCRA 311/312 Chemicals and RQs (>.1%) :			
000071-36-3	n-Butyl alcohol : 5000 lb final RQ; 2270 kg final RQ		
000107-15-3	Ethylene diamine : 5000 lb final RQ; 2270 kg final RQ		
EPCRA 302 Extremely Hazardous (>.1%) :			

000107-15-3	Ethylene diamine : 10,000 lb TPQ
EPCRA 313 Toxic Chemicals (>.1%) :	
000071-36-3	n-Butyl alcohol
Mass RTK Substances (>1%) :	
000071-36-3	n-Butyl alcohol
000107-15-3	Ethylene diamine
Mass Extraordinarily Haz Sub (>.01%) :	
000107-15-3	Ethylene diamine
Penn RTK Substances (>1%) :	
000071-36-3	n-Butyl alcohol
000107-15-3	Ethylene diamine
Penn Special Hazardous Substances (>.01%) :	
(No Product Ingredients Listed)	
Rhode Island Hazardous Substances (>.1%) :	
000071-36-3	n-Butyl alcohol
000107-15-3	Ethylene diamine
RCRA Status (>.01%) :	
(No Product Ingredients Listed)	
N.J. RTK Substances (>1%) :	
000071-36-3	n-Butyl alcohol
000107-15-3	Ethylene diamine
N.J. Special Hazardous Substances (>.01%) :	
000071-36-3	n-Butyl alcohol
000107-15-3	Ethylene diamine
N.J. Env. Hazardous Substances (>.1%) :	
000071-36-3	n-Butyl alcohol
000107-15-3	Ethylene diamine
Proposition 65 - Carcinogens (>0%):	
(No Product Ingredients Listed)	
Proposition 65 - Female Repro Toxins (>0%):	
(No Product Ingredients Listed)	
Proposition 65 - Male Repro Toxins (>0%):	
(No Product Ingredients Listed)	
Proposition 65 - Developmental Toxins (>0%):	
(No Product Ingredients Listed)	

16. OTHER INFORMATION

The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to the information contained herein. We accept no responsibility and disclaim all liability for any harmful effects which may be caused by exposure to our products. Customers/users of this product must comply with all applicable health and safety laws, regulations, and orders.

End Of Document

MATERIAL SAFETY DATA SHEET

K08304
01 00

Section 1 -- PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NUMBER

K08304

HMIS CODES

Health	2*
Flammability	3
Reactivity	0

PRODUCT NAME

KRYLON* LINE-UP* Striping Paint (Solvent Based), Cover-Up Black

MANUFACTURER'S NAME

THE SHERWIN-WILLIAMS COMPANY
Diversified Brands
Cleveland, OH 44115

EMERGENCY TELEPHONE NO.

(216) 566-2917

DATE OF PREPARATION

07-DEC-06

INFORMATION TELEPHONE NO.

(800) 247-3266

Section 2 -- COMPOSITION/INFORMATION ON INGREDIENTS

% by WT	CAS No.	INGREDIENT	UNITS	VAPOR PRESSURE
15	74-98-6	Propane		
		ACGIH TLV	2500 ppm	760 mm
		OSHA PEL	1000 ppm	
7	106-97-8	Butane		
		ACGIH TLV	800 ppm	760 mm
		OSHA PEL	800 ppm	
9	64742-89-8	V. M. & P. Naphtha		
		ACGIH TLV	300 ppm	12 mm
		OSHA PEL	300 ppm	
		OSHA PEL	400 ppm STEL	
12	108-88-3	Toluene		
		ACGIH TLV	50 ppm (Skin)	22 mm
		OSHA PEL	100 ppm (Skin)	
		OSHA PEL	150 ppm (Skin) STEL	
0.2	100-41-4	Ethylbenzene		
		ACGIH TLV	100 ppm	7.1 mm
		ACGIH TLV	125 ppm STEL	
		OSHA PEL	100 ppm	
		OSHA PEL	125 ppm STEL	
1	1330-20-7	Xylene		
		ACGIH TLV	100 ppm	5.9 mm
		ACGIH TLV	150 ppm STEL	
		OSHA PEL	100 ppm	
		OSHA PEL	150 ppm STEL	
2	111-76-2	2-Butoxyethanol		
		ACGIH TLV	20 ppm	0.88 mm
		OSHA PEL	25 ppm	
14	67-64-1	Acetone		
		ACGIH TLV	500 ppm	180 mm
		ACGIH TLV	750 ppm STEL	
		OSHA PEL	1000 ppm	
20	14807-96-6	Talc		
		ACGIH TLV	2 mg/m3 as Resp. Dust	
		OSHA PEL	2 mg/m3 as Resp. Dust	

Continued on page 2

0.7 1333-86-4 Carbon Black
ACGIH TLV 3.5 mg/m3
OSHA PEL 3.5 mg/m3

Section 3 -- HAZARDS IDENTIFICATION

ROUTES OF EXPOSURE

INHALATION of vapor or spray mist.

EYE or SKIN contact with the product, vapor or spray mist.

EFFECTS OF OVEREXPOSURE

EYES: Irritation.

SKIN: Prolonged or repeated exposure may cause irritation.

INHALATION: Irritation of the upper respiratory system.

May cause nervous system depression. Extreme overexposure may result in unconsciousness and possibly death.

SIGNS AND SYMPTOMS OF OVEREXPOSURE

Headache, dizziness, nausea, and loss of coordination are indications of excessive exposure to vapors or spray mists.

Redness and itching or burning sensation may indicate eye or excessive skin exposure.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE

None generally recognized.

CANCER INFORMATION

For complete discussion of toxicology data refer to Section 11.

Section 4 -- FIRST AID MEASURES

EYES: Flush eyes with large amounts of water for 15 minutes.
Get medical attention.

SKIN: Wash affected area thoroughly with soap and water.
Remove contaminated clothing and launder before re-use.

INHALATION: If affected, remove from exposure. Restore breathing.
Keep warm and quiet.

INGESTION: Do not induce vomiting.
Get medical attention immediately.

Section 5 -- FIRE FIGHTING MEASURES

FLASH POINT LEL UEL
Propellant < 0 F 0.9 12.8

EXTINGUISHING MEDIA

Carbon Dioxide, Dry Chemical, Foam

UNUSUAL FIRE AND EXPLOSION HAZARDS

Containers may explode when exposed to extreme heat.

Application to hot surfaces requires special precautions.

During emergency conditions overexposure to decomposition products may cause a health hazard. Symptoms may not be immediately apparent. Obtain medical attention.

Continued on page 3

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SPECIAL FIRE FIGHTING PROCEDURES
Full protective equipment including self-contained breathing apparatus should be used.

Water spray may be ineffective. If water is used, fog nozzles are preferable. Water may be used to cool closed containers to prevent pressure build-up and possible autoignition or explosion when exposed to extreme heat.

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Section 6 -- ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED
Remove all sources of ignition. Ventilate the area.
Remove with inert absorbent.

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Section 7 -- HANDLING AND STORAGE

STORAGE CATEGORY

Not Available

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE

Keep away from heat, sparks, and open flame. Vapors will accumulate readily and may ignite explosively.

During use and until all vapors are gone: Keep area ventilated - Do not smoke - Extinguish all flames, pilot lights, and heaters - Turn off stoves, electric tools and appliances, and any other sources of ignition.

Consult NFPA Code. Use approved Bonding and Grounding procedures.

Contents under pressure. Do not puncture, incinerate, or expose to temperature above 120F. Heat from sunlight, radiators, stoves, hot water, and other heat sources could cause container to burst. Do not take internally. Keep out of the reach of children.

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Section 8 -- EXPOSURE CONTROLS/PERSONAL PROTECTION

PRECAUTIONS TO BE TAKEN IN USE

Use only with adequate ventilation.

Avoid contact with skin and eyes. Avoid breathing vapor and spray mist.

Wash hands after using.

This coating may contain materials classified as nuisance particulates (listed "as Dust" in Section 2) which may be present at hazardous levels only during sanding or abrading of the dried film. If no specific dusts are listed in Section 2, the applicable limits for nuisance dusts are ACGIH TLV 10 mg/m3 (total dust), 3 mg/m3 (respirable fraction), OSHA PEL 15 mg/m3 (total dust), 5 mg/m3 (respirable fraction).

VENTILATION

Local exhaust preferable. General exhaust acceptable if the exposure to materials in Section 2 is maintained below applicable exposure limits. Refer to OSHA Standards 1910.94, 1910.107, 1910.108.

RESPIRATORY PROTECTION

If personal exposure cannot be controlled below applicable limits by ventilation, wear a properly fitted organic vapor/particulate respirator approved by NIOSH/MSHA for protection against materials in Section 2.

When sanding or abrading the dried film, wear a dust/mist respirator approved by NIOSH/MSHA for dust which may be generated from this product, underlying paint, or the abrasive.

Continued on page 4

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PROTECTIVE GLOVES
None required for normal application of aerosol products where minimal skin contact is expected. For long or repeated contact, wear chemical resistant gloves.

EYE PROTECTION

Wear safety spectacles with unperforated sideshields.

OTHER PRECAUTIONS

Intentional misuse by deliberately concentrating and inhaling the contents can be harmful or fatal.

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Section 9 -- PHYSICAL AND CHEMICAL PROPERTIES

PRODUCT WEIGHT	7.26 lb/gal	869 g/l
SPECIFIC GRAVITY	0.87	
BOILING POINT	<0 - 343 F	<-18 - 172 C
MELTING POINT	Not Available	
VOLATILE VOLUME	80 %	
EVAPORATION RATE	Faster than ether	
VAPOR DENSITY	Heavier than air	
SOLUBILITY IN WATER	N.A.	
pH	7.0	
VOLATILE ORGANIC COMPOUNDS (VOC Theoretical - As Packaged)		
Volatile Weight	49.49%	Less Water and Federally Exempt Solvents

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Section 10 -- STABILITY AND REACTIVITY

STABILITY -- Stable

CONDITIONS TO AVOID

None known.

INCOMPATIBILITY

None known.

HAZARDOUS DECOMPOSITION PRODUCTS

By fire: Carbon Dioxide, Carbon Monoxide

HAZARDOUS POLYMERIZATION

Will not occur

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Section 11 -- TOXICOLOGICAL INFORMATION

CHRONIC HEALTH HAZARDS
Ethylbenzene is classified by IARC as possibly carcinogenic to humans (2B) based on inadequate evidence in humans and sufficient evidence in laboratory animals. Lifetime inhalation exposure of rats and mice to high ethylbenzene concentrations resulted in increases in certain types of cancer, including kidney tumors in rats and lung and liver tumors in mice. These effects were not observed in animals exposed to lower concentrations. There is no evidence that ethylbenzene causes cancer in humans.

Carbon Black is classified by IARC as possibly carcinogenic to humans (group 2B) based on experimental animal data, however, there is insufficient evidence in humans for its carcinogenicity.

Prolonged overexposure to solvent ingredients in Section 2 may cause adverse effects to the liver, urinary, blood forming, cardiovascular and reproductive systems.

Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Continued on page 5

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TOXICOLOGY DATA						
CAS No.	Ingredient Name					
74-98-6	Propane	LC50	RAT	4HR	Not Available	
		LD50	RAT		Not Available	
106-97-8	Butane	LC50	RAT	4HR	Not Available	
		LD50	RAT		Not Available	
64742-89-8	V. M. & P. Naphtha	LC50	RAT	4HR	Not Available	
		LD50	RAT		Not Available	
108-88-3	Toluene	LC50	RAT	4HR	4000	ppm
		LD50	RAT		5000	mg/kg
100-41-4	Ethylbenzene	LC50	RAT	4HR	Not Available	
		LD50	RAT		3500	mg/kg
1330-20-7	Xylene	LC50	RAT	4HR	5000	ppm
		LD50	RAT		4300	mg/kg
111-76-2	2-Butoxyethanol	LC50	RAT	4HR	Not Available	
		LD50	RAT		470	mg/kg
67-64-1	Acetone	LC50	RAT	4HR	Not Available	
		LD50	RAT		5800	mg/kg
14807-96-6	Talc	LC50	RAT	4HR	Not Available	
		LD50	RAT		Not Available	
1333-86-4	Carbon Black	LC50	RAT	4HR	Not Available	
		LD50	RAT		Not Available	

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Section 12 -- ECOLOGICAL INFORMATION

ECOTOXICOLOGICAL INFORMATION

No data available.

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Section 13 -- DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD

Waste from this product may be hazardous as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261.

Waste must be tested for ignitability to determine the applicable EPA hazardous waste numbers.

Do not incinerate. Depressurize container. Dispose of in accordance with Federal, State/Provincial, and Local regulations regarding pollution.

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Section 14 -- TRANSPORT INFORMATION

No data available.

Continued on page 6

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Section 15 -- REGULATORY INFORMATION
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SARA 313 (40 CFR 372.65C) SUPPLIER NOTIFICATION

CAS No.	CHEMICAL/COMPOUND	% by WT	% Element
108-88-3	Toluene	12	
100-41-4	Ethylbenzene	0.2	
1330-20-7	Xylene	1	
	Glycol Ethers	2	

CALIFORNIA PROPOSITION 65

WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.
TSCA CERTIFICATION

All chemicals in this product are listed, or are exempt from listing, on the TSCA Inventory.

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Section 16 -- OTHER INFORMATION
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This product has been classified in accordance with the hazard criteria of the Canadian Controlled Products Regulations (CPR) and the MSDS contains all of the information required by the CPR.

The above information pertains to this product as currently formulated, and is based on the information available at this time. Addition of reducers or other additives to this product may substantially alter the composition and hazards of the product. Since conditions of use are outside our control, we make no warranties, express or implied, and assume no liability in connection with any use of this information.



Lava[®]

LIQUID HAND SOAP

MATERIAL SAFETY DATA SHEET

I. PRODUCT IDENTIFICATION

Manufacturer:	WD-40 Company	Telephone:	
Address:	1681 Cudahy Place (92110) P.O. Box 80607 San Diego, California 92138-0607	Emergency Only:	1-800-424-9300 (Chemtrec)
		Information:	(619) 275-1400
		Product Category:	Personal Care Product
		Product Name:	Lava Liquid Hand Soap
		Item No.:	10082, 10087, 10088

II. HAZARDOUS INGREDIENTS

Hazardous Ingredients	CAS Number	TLV/PEL	Hazard Data
Sodium Alkyl Ether Sulfate	68585-34-2	Not Established	Irritant
Sodium Lauroyl Sarcosinate	137-16-6	Not Established	Irritant

III. PHYSICAL DATA

Boiling Point (°F):	Not applicable.	Specific Gravity (H₂O=1):	0.90 - 1.05
Vapor Pressure (mm Hg):	Not applicable.	% Volatile by Volume:	Not determined.
Vapor Density (Air=1):	Not applicable.	Solubility in Water:	Soluble.
pH (10% soln):	6.0 - 7.0	Appearance and Odor:	Viscous green liquid.

IV. FIRE AND EXPLOSION

Flammable Limits:	Not applicable.
Extinguishing Media:	As applicable to type of fire.
Special Fire Fighting Procedures:	None.
Unusual Fire and Explosion Hazards:	None.

V. HEALTH HAZARD DATA/ROUTE(S) OF ENTRY

EFFECTS OF OVEREXPOSURE

Skin: None expected.

Eye: May cause transient superficial irritation unless rinsed immediately with water.

Inhalation (Breathing): Non applicable.

Ingestion (Swallowed): May result in mild gastrointestinal irritation with nausea, vomiting and diarrhea.

FIRST AID EMERGENCY PROCEDURES:

Skin: Flush thoroughly with water.

Eye: Flush thoroughly with water for 10-15 minutes while holding eyelids open. If irritation persists, seek medical attention.

Inhalation (Breathing): Not applicable.

Ingestion (Swallowed): Drink 2-3 glasses of water. Do not induce vomiting. Consult a physician if symptoms persist.

VI. REACTIVITY DATA

Stability:	Stable.
Incompatibility:	None.
Hazardous Decomposition Products:	None.

VII. SPILL OR LEAK PROCEDURES

Spill Response:	Dispose spilled material in trash.
Waste Disposal Method:	Dispose of in accordance with all federal, state and local regulations.

VIII. SPECIAL HANDLING INFORMATION

Eye Protection:	Not required.
Skin Protection:	Not required.
Respiratory Protection:	Not required.

IX. SPECIAL PRECAUTIONS

Handling:	Avoid eye contact.
Storage:	Store in cool, dry location away from heat sources.
Transportation:	According to federal, state and local regulations.

SIGNATURE: Peter Fougner  TITLE: Director of Global Quality Assurance

REVISION DATE: December 2004 SUPERSEDES: June 2003

NA = Not applicable

NDA = No data available

< = Less than

> = More than

The information provided in this Material Safety Data Sheet has been compiled from our experience and data with similar commercially available materials and is believed to be accurate. No guarantee of accuracy is made. It is the user's responsibility to determine the suitability of this information for the adoption of necessary safety precautions and disposal procedures. **PLEASE BE ADVISED THAT THIS MATERIAL SAFETY DATA SHEET IS INTENDED FOR INDUSTRIAL PURCHASERS WHICH MAY USE LARGE QUANTITIES OF THE PRODUCT. DEPENDING ON THE SCOPE OF TOXICOLOGICAL TESTS CONDUCTED ON THE FORMULATION AND/OR THE RAW MATERIALS, THE LISTED HAZARD DATA MAY REFLECT HAZARDS RELATED TO THE FORMULATION AS A WHOLE OR TO INDIVIDUAL COMPONENTS AT 100% CONCENTRATION. THEREFORE, CERTAIN WARNINGS AND HAZARD STATEMENTS CONTAINED ON THIS MSDS MAY NOT BE APPLICABLE TO OR INCLUDED IN THE PACKAGE LABELING AVAILABLE TO THE GENERAL PUBLIC.**



The Clorox Company
1221 Broadway
Oakland, CA 94612
Tel. 1-510-271-7000

Material Safety Data Sheet

I Product: LEMON FRESH PINE-SOL® ALL PURPOSE CLEANER											
Description: CLEAR, YELLOW, THIN LIQUID WITH A LEMON, CITRUS ODOR											
Other Designations	Distributor	Emergency Telephone Nos.									
	Clorox Sales Company 1221 Broadway Oakland, CA 94612	For Medical Emergencies, call 1-800-446-1014. For Transportation Emergencies, call 1-800-424-9300 (Chemtrec).									
II Health Hazard Data		III Hazardous Ingredients									
Eye irritant. No medical conditions are known to be aggravated by exposure to this product. <u>FIRST AID:</u> <u>EYE CONTACT:</u> Immediately rinse with water for 15 minutes. If irritation persists, call a doctor. <u>INGESTION:</u> Drink a glassful of water. Call a doctor or poison control center. <u>SKIN CONTACT:</u> Rinse with plenty of water. If irritation persists, call a doctor. <u>INHALATION:</u> Move person to fresh air. If breathing problems develop, call a doctor.		<table border="1"><thead><tr><th><u>Ingredient</u></th><th><u>Concentration</u></th><th><u>Worker Exposure Limit</u></th></tr></thead><tbody><tr><td>Alkyl alcohol ethoxylates CAS # 66455-15-0</td><td>1 - 5%</td><td>Not established.</td></tr><tr><td>Sodium xylene sulfonate CAS # 1300-72-7</td><td>0.5 - 2%</td><td>Not established.</td></tr></tbody></table> None of the materials in this product are on the IARC, OSHA, or NTP carcinogen lists.	<u>Ingredient</u>	<u>Concentration</u>	<u>Worker Exposure Limit</u>	Alkyl alcohol ethoxylates CAS # 66455-15-0	1 - 5%	Not established.	Sodium xylene sulfonate CAS # 1300-72-7	0.5 - 2%	Not established.
<u>Ingredient</u>	<u>Concentration</u>	<u>Worker Exposure Limit</u>									
Alkyl alcohol ethoxylates CAS # 66455-15-0	1 - 5%	Not established.									
Sodium xylene sulfonate CAS # 1300-72-7	0.5 - 2%	Not established.									
IV Special Protection and Precautions		V Transportation and Regulatory Data									
Hygienic Practices: Wash hands after direct contact. Do not wear product-contaminated clothing for prolonged periods. Engineering Controls: Use local exhaust to minimize exposure to product mist. Personal Protective Equipment: Wear safety glasses. Wear rubber or neoprene gloves if there is the potential for repeated or prolonged skin contact.		DOT/IATA/IMDG: Not restricted. EPA - SARA Title III/CERCLA: This product is regulated under Sections 311/312. This product contains no chemicals that are regulated under Section 313 or under Section 304/CERCLA.									
VI Spill Procedures/Waste Disposal		VII Reactivity Data									
Spill Procedures: Absorb and containerize. Wash residual down to sanitary sewer. Contact the sanitary treatment facility in advance to assure ability to process washed-down material. Waste Disposal: Dispose of in accordance with all applicable federal, state, and local regulations.		Stable under normal use and storage conditions.									
VIII Fire and Explosion Data		IX Physical Data									
Flash Point: >93°C (closed cup) Fire Extinguishing Agents: Dry chemical, carbon dioxide (CO ₂), foam, or water spray.		pH..... 10 - 11 Specific gravity~1.0 Solubility in waterSoluble									

1. PRODUCT AND COMPANY IDENTIFICATION**NAME: LIQUID LAUNDRY SUDS****USE:** LAUNDRY DETERGENT**MSDS # 100320**

US CHEMICAL, 316 HART STREET, WATERTOWN, WI 53094 USA
MEDICAL EMERGENCY #: 1-800-851-7145 EXT. 075 USA
SPILL EMERGENCY #: 1-800-424-9300 USA
PRODUCT INFORMATION #: 1-800-558-9566 (8 A.M. TO 5 P.M. CST MONDAY TO FRIDAY)
INTERNET ADDRESS: WWW.USCHEMICAL.COM
REVIEWED 12-5-06 REVISED 12-5-06 SECTION REVISED: 1

2. HAZARDS IDENTIFICATION**EMERGENCY OVERVIEW:** CAUTION! MAY BE MODERATELY IRRITATING TO EYES AND SKIN.**PRINCIPLE ROUTES OF EXPOSURE:** EYES, SKIN, INGESTION, INHALATION.**POTENTIAL ACUTE HEALTH EFFECTS****EYES:** MAY BE MODERATELY IRRITATING TO EYES.**SKIN:** MAY BE MODERATELY IRRITATING TO SKIN.**INHALATION:** MAY BE IRRITATING TO NOSE, THROAT AND RESPIRATORY TRACT.**INGESTION:** MAY BE IRRITATING TO MOUTH, THROAT AND STOMACH. MAY CAUSE ABDOMINAL DISCOMFORT, NAUSEA, VOMITING AND DIARRHEA.**MEDICAL CONDITIONS AGGRAVATED:** PERSONS WITH PRE-EXISTING SKIN DISORDERS MAY BE MORE SUSCEPTABLE TO IRRITATING EFFECTS.**3. COMPOSITION / INFORMATION ON INGREDIENTS**

HAZARDOUS INGREDIENT	CAS #	% BY WT	LC50/LD50
TRIETHANOLAMINE	102-71-6	1.0 – 5.0	N.AV.
ETHYL ALCOHOL	64-17-5	1.0 – 5.0	N.AV.
STATE RIGHT TO KNOW: THIS PRODUCT CONTAINS: WATER/7732-18-5, ALCOHOL ETHOXYLATES/68002-97-1, SODIUM LAURETH SULFATE/9004-82-4, SECONDARY ALCOHOL ETHOXYLATE/84133-50-6, TRIETHANOLAMINE/102-71-6, ETHYL ALCOHOL/64-17-5			

4. FIRST AID MEASURES

Page 2 of 4

EYES: FLOOD WITH LUKEWARM (NOT HOT) WATER POURED FROM A LARGE GLASS 2 OR 3 INCHES FROM EYES. REMOVE CONTACTS. HAVE PATIENT BLINK AS MUCH AS POSSIBLE WHILE FLOODING THE EYES. CONTINUE FOR AT LEAST 15 MINUTES.

SKIN: REMOVE CONTAMINATED CLOTHES, THEN FLOOD WITH WATER.

INHALATION: MOVE VICTIM TO FRESH AIR. GIVE ARTIFICIAL RESPIRATION IF PATIENT IS NOT BREATHING.

INGESTION: DO NOT INDUCE VOMITING. IF PATIENT IS CONSCIOUS AND CAN SWALLOW, ADMINISTER MILK OR WATER.

ADMINISTER FIRST AID TREATMENT AS STATED ABOVE, THEN CALL 1-800-851-7145 EXT. 075 OR CONTACT PHYSICIAN FOR FURTHER MEDICAL INSTRUCTIONS.

NOTE TO PHYSICIAN: CALL 1-800-851-7145 EXT. 075 FOR ASSISTANCE WITH THE MANAGEMENT OF EXPOSURES.

5. FIRE-FIGHTING MEASURES

FLAMMABILITY: NO HAZARD.

FLASH POINT: N.A.P.

PRODUCTS OF COMBUSTION: SEE SECTION 10.

SUITABLE EXTINGUISHING MEDIA: FOR FIRES IN AREA, USE APPROPRIATE MEDIA. FOR EXAMPLE: WATER SPRAY, DRY CHEMICAL, CARBON DIOXIDE, OR ALCOHOL FOAM.

SPECIFIC HAZARDS: N.A.P.

SPECIFIC METHODS: NORMAL FIRE FIGHTING PROCEDURES MAY BE USED.

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS: SEE SECTION 8.

SPILL RESPONSE: EVACUATE UNPROTECTED PERSONNEL FROM AREA. WEAR PROPER PROTECTIVE EQUIPMENT INCLUDING RUBBER BOOTS. VENTILATE AREA IF NEEDED. STOP LEAK IF YOU CAN DO SO WITHOUT RISK. DIKE OR DAM LARGE SPILLS. AVOID DIRECT DISCHARGE TO SEWER AND SURFACE WATERS. PUMP TO CONTAINER OR SOAK UP WITH NON-COMBUSTIBLE INERT ABSORBENT MATERIALS. AFTER SPILL COLLECTION, FLUSH AREA WITH WATER AND FOLLOW WITH NORMAL CLEAN-UP PROCEDURES. BE CAREFUL AS SPILLS ARE SLIPPERY.

7. HANDLING AND STORAGE

HANDLING: FOLLOW ALL LABEL DIRECTIONS. INSTRUCT PERSONNEL ABOUT PROPER USE, HAZARDS, PRECAUTIONS, AND FIRST AID MEASURES.

AVOID INGESTION AND CONTACT WITH EYES. DO NOT TASTE OR SWALLOW.

REMOVE AND WASH CONTAMINATED CLOTHING AND FOOTWEAR BEFORE RE-USE.

PRODUCT RESIDUE MAY REMAIN ON OR IN EMPTY CONTAINERS.

HANDLE CAREFULLY TO AVOID DAMAGING CONTAINER.

STORAGE: ROTATE STOCK REGULARLY. KEEP CONTAINER CLOSED WHEN NOT IN USE. AVOID TEMPERATURES BELOW 35°F OR ABOVE 120°F. PROTECT FROM FREEZING. STORAGE AT AMBIENT TEMPERATURES IN A DRY AREA OUT OF DIRECT SUNLIGHT IS RECOMMENDED. KEEP AWAY FROM FOOD AND DRINK. KEEP OUT OF CHILDREN'S REACH.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Page 3 of 4

EXPOSURE LIMITS: TRIETHANOLAMINE = 5 MG/M3 TWA (ACGIH)

ETHYL ALCOHOL = 1000 PPM TWA (ACGIH/OSHA)

ENGINEERING CONTROLS: NONE REQUIRED. GENERAL ROOM VENTILATION IS ADEQUATE.**PERSONAL PROTECTION****EYES:** SAFETY GLASSES WITH SIDE SHIELDS RECOMMENDED IF SPRAYING.**HANDS:** FOR PROLONGED OR REPEATED CONTACT WITH SKIN: RUBBER GLOVES.**RESPIRATORY:** N.A.P.**FEET:** N.A.P.**BODY:** N.A.P.**9. PHYSICAL AND CHEMICAL PROPERTIES****COLOR:** BLUE**ODOR :** FLORAL**pH CONCENTRATE:** 10.2**pH @ 2500 PPM SOLUTION:** N.A.P.**pH @ USE DILUTION:** N.A.P.**PHYSICAL STATE:** LIQUID**SPECIFIC GRAVITY:** 1.040**VISCOSITY:** SLIGHTLY VISCOUS**BOILING POINT:** N.A.P.**MELTING POINT:** N.A.P.**FLASH POINT:** N.A.P.**UEL:** N.A.P.**LEL:** N.A.P.**EVAPORATION RATE:** N.A.P.**ODOR THRESHOLD:** N.A.P.**VAPOR PRESSURE:** N.A.P.**VAPOR DENSITY:** N. AP.**COEFF. OIL/WATER:** N.A.P.**WATER SOLUBILITY:** COMPLETE**OTHER:** N.A.P.**10. STABILITY AND REACTIVITY****STABLE:** YES**CONDITIONS TO AVOID:** AVOID TEMPERATURES BELOW 35°F OR ABOVE 120°F.**MATERIALS TO AVOID:** AVOID MIXING DIRECTLY WITH ANY OTHER CLEANING PRODUCT. AVOID OXIDIZING AGENTS. MIX ONLY WITH WATER.**DECOMPOSITION PRODUCTS:** FIRE OR MIXING WITH INCOMPATIBLE MATERIALS MAY PRODUCE OXIDES OF CARBON AND OTHER TOXIC OR IRRITATING FUMES.**POSSIBILITY OF HAZARDOUS REACTIONS:** N.A.P.**11. TOXICOLOGICAL INFORMATION****ACUTE EFFECTS:** SEE SECTION 2.**CHRONIC EFFECTS:** NONE KNOWN. NO REPORTABLE CARCINOGENS, MUTAGENS, SENSITIZERS, SYNERGISTIC MATERIALS, TERATOGENS, OR REPRODUCTIVE TOXINS.**LC50/LD50:** N.A.V.**TARGET ORGANS:** EYES, SKIN, RESPIRATORY SYSTEM.**OTHER TOXIC EFFECTS:** NONE KNOWN.

12. ECOLOGICAL INFORMATION

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NOT AVAILABLE.

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: COMPLY WITH ALL FEDERAL, STATE, PROVINCIAL AND LOCAL LAWS AND REGULATIONS. CONSULT STATE AND LOCAL AUTHORITIES FOR RESTRICTIONS ON DISPOSAL OF CHEMICAL WASTE. MANAGE CHEMICAL WASTES THROUGH AN APPROVED WASTE TREATMENT FACILITY. DO NOT REUSE EMPTY CONTAINER. RINSE EMPTY CONTAINER THOROUGHLY WITH WATER BEFORE DISCARDING CONTAINER IN ACCORDANCE WITH CURRENT LOCAL COMMUNITY CODES. PLEASE RECYCLE EMPTY CONTAINER WHENEVER POSSIBLE.

14. TRANSPORT INFORMATION**DOT/TDG:** NOT REGULATED**DOT RQ:** N.AP.**DOT ERG #:** N.AP.**15. REGULATORY INFORMATION****EPA CERCLA RQ:** N.AP.**EPA REGISTERED:** NO**EPA %VOC:** 1.50**EPA VOC RULE:** PRODUCT COMPLIES WITH THE EPA VOC EMISSIONS STANDARD.**OSHA HAZARDOUS:** YES**PHOSPHORUS CONTENT:** 0.00%**PROPOSITION 65:** N.AP.**SARA 311/312 HAZARDS:** ACUTE**SARA 313 CHEMICALS:** N.AP.**STATE RIGHT TO KNOW:** SEE SECTION 3 FOR STATE RTK CHEMICAL NAMES.**TSCA INVENTORY STATUS:** ALL COMPONENTS ARE LISTED ON THE INVENTORY.**WHMIS CLASS:** D-2B**16. OTHER INFORMATION****NFPA RATING:** HEALTH-2/FLAMMABILITY-0/REACTIVITY-0/SPECIAL HAZARD-N.AP.**HMIS RATING:** HEALTH-2/FLAMMABILITY-0/REACTIVITY-0/PERSONAL PROTECTION-SEE 8.0

N.AV. = NOT AVAILABLE N.AP. = NOT APPLICABLE

PREPARED BY: HEALTH AND SAFETY

NOTICE TO READER

THIS DOCUMENT HAS BEEN PREPARED USING DATA FROM SOURCES CONSIDERED TECHNICALLY RELIABLE. IT DOES NOT CONSTITUTE A WARRANTY, EXPRESS OR IMPLIED, AS TO THE ACCURACY OF THE INFORMATION CONTAINED WITHIN. ACTUAL CONDITIONS OF USE AND HANDLING ARE BEYOND SELLER'S CONTROL. USER IS RESPONSIBLE FOR EVALUATING ALL AVAILABLE INFORMATION WHEN USING PRODUCT FOR ANY PARTICULAR USE AND TO COMPLY WITH ALL FEDERAL, STATE, PROVINCIAL AND LOCAL LAWS AND REGULATIONS.



PRODUCT SAFETY DATA SHEET

Print date: 09 Apr 2007

1. PRODUCT AND COMPANY IDENTIFICATION

Item Number / Product code: 0081280

Product name: LYSOL® BRAND III DISINFECTANT SPRAY, ALL SCENTS (AEROSOL)

Validation / Revision Date: 09 April 2007

EPA Identifier: EPA Reg. Number: 777-99-675

Formula Number: 0081288 (1095-058) Original;
0081285 (1095-050) Country;
0081282 (1095-057) Summer Breeze;
0081283 (1095-048) Green Apple / Green Apple Breeze;
0081284 (1095-049) Kitchens / Citrus;
0081287 (1095-051) Crisp Berry;
0081286 (1095-052) Garden Mist;
0081280 (1095-046) Spring Waterfall;
0081281 (1095-047) Crisp Linen.

UPC Number and Size: Original, 19200-00291 (12 oz.) & 19200-79325 (19 oz.);
Country, 19200-02032 (12 oz.) & 19200-79327 (19 oz.);
Summer Breeze, 19200-02922 (12 oz.) & 19200-79328 (19 oz.);
Green Apple, 19200-76766 (12 oz.) & 19200-79330 (19 oz.);
Kitchen (Citrus), 19200-76487 (12 oz.) & 19200-79332 (19 oz.);
Crisp Berry, 19200-77671 (12 oz.) & 19200-79331 (19 oz.);
Garden Mist, 19200-79481 (12 oz.) & 19200-79482 (19 oz.);
Spring Waterfall, 19200-79326 (19 oz.) & 19200-02845 (12 oz.);
Crisp Linen, 19200-79329 (19 oz.) & 19200-74186 (12 oz.) & 19200-74185 (6.0 oz.).

Product Description: Disinfectant aerosol spray.

Manufacturer: Reckitt Benckiser North America, Inc.
Morris Corporate Center IV
399 Interpace Parkway (P.O. Box 225)
Parsippany, New Jersey 07054-0225

Emergency telephone number: 1-800-228-4722 (U.S.)

Transportation Emergencies:

1-800-424-9300 (U.S. & Canada) CHEMTREC
Outside the U.S. and Canada (North America), call: 703-527-3887

2. COMPOSITION / INFORMATION ON INGREDIENTS**Components:**

ISOBUTANE
75-28-5
PROPANE
74-98-6
ETHANOL SDA 40-2 95%
64-17-5
N-ALDIMETHBENZAMMSAC 33%
68989-01-5

Wt %	ACGIH:	OSHA:
3-4	TWA (TLV): 800 ppm par TWA (TLV): 1900 mg/m ³	None
3-4	TWA (TLV): 1000 ppm @10 TWA (TLV): 1000 ppm @10	TWA (PEL): 1000 ppm @10 TWA (PEL): 1800 mg/m ³ @10
55-60	TWA (TLV): 1000 ppm @10	TWA (PEL): 1000 ppm @10 TWA (PEL): 1900 mg/m ³ @10
0-1	None	None

3. HAZARDS IDENTIFICATION**EMERGENCY OVERVIEW**

FLAMMABLE !

CAUTION: Contents under pressure.

DO NOT puncture or incinerate. DO NOT expose to heat or store above 55° C (130° F), as container may burst.

Keep away from heat, sparks and open flame.

Causes moderate eye irritation.

Do not spray in eyes, on skin or on clothing.

Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum or using tobacco.

KEEP OUT OF REACH OF CHILDREN

4. FIRST AID MEASURES

Inhalation:	Move to fresh air.
Skin contact:	Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes.
Eye contact:	If in eyes, hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses if present after the first 5 minutes then continue rinsing. Call a Poison Control Center or doctor for treatment advice
Ingestion:	Call a physician or Poison Control Centre immediately. Rinse mouth with water and drink afterwards plenty of water. DO NOT INDUCE VOMITING!
Notes to physician:	Contains denatured ethanol; ingestion may result in ethanol poisoning
Aggravated Medical Conditions:	No information available.

5. FIRE-FIGHTING MEASURES

Flash point:	65.5° F (18.6° C). Aerosol flame extension less than 18 inches (45 cm). FLAMMABLE AEROSOL.
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Product code: 0081280

Product name: LYSOL® BRAND III
DISINFECTANT SPRAY, ALL SCENTS
(AEROSOL)

Page 2 of 8

Flammability Limits in Air:**Lower:**

3.3% in Air.

Upper:

19% in Air.

Autoignition temperature:

No information available.

Suitable extinguishing media:Water spray mist or foam.
As suitable for surrounding fire.**Extinguishing media which must not be used for safety reasons:**

No information available.

Specific hazards:Contents under pressure.
Exposure to temperatures above 55° C (130° F) may cause bursting.
Keep away from extreme heat, sparks or open flame.**Unusual hazards:**

Move containers away from fire if possible and safe to do so. Use water spray to cool fire exposed containers. Provide shielding for personnel exposed to venting, rupturing or bursting containers

Special protective equipment for firefighters:

As in any fire, wear self-contained breathing apparatus, pressure-demand, MSHA / NIOSH (approved or equivalent) and full protective gear.

Specific methods:

Standard procedure for chemical fires.

NFPA Aerosol Level:

Flammability Rating 1, per NFPA 30B.

NFPA: Health: 1**Flammability: 1 Instability: 0****HMS: Health: 1****Flammability: 3 Reactivity: 0****Key:**

Personal Protection Index = B. (Also see Sections 3 & 8)

6. ACCIDENTAL RELEASE MEASURES**Personal precautions:**

Ensure adequate ventilation.

Environmental precautions:

Do not allow material to contaminate ground water system.

Methods for cleaning up:Small amounts:
Wipe up with absorbent material (e.g. cloth, fleece, paper towel, etc.).Large spills:
Eliminate all sources of ignition and ventilate the area with equipment rated for use in flammable environments.

Collect any remaining liquid and store in metal container for later disposal according to local, state, provincial or federal regulations.

7. HANDLING AND STORAGE**Handling:**

Use with adequate ventilation.

Safe handling advice:

CAUTION: Contents under pressure. DO NOT puncture or incinerate. DO NOT expose to heat or store above 55° C (130° F), as container may burst.

Storage:

KEEP OUT OF REACH OF CHILDREN

Keep away from heat and sources of ignition.

Store in original container in areas inaccessible to small children and pets.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION**Engineering measures
to reduce exposure:**

For occupational exposures, ensure adequate ventilation.

Personal Protective Equipment**Respiratory protection:**

No personal respiratory protective equipment normally required.
Emergency responders should wear self-contained breathing apparatus (SCBA) to avoid inhalation of vapours generated by this product during a spill or other clean-up operations.

Hand protection:

Avoid contact with the skin.
For sensitive skin or prolonged use, wear rubber gloves.
Emergency responders should wear impermeable gloves.

Skin and body protection:

Usual safety precautions while handling the product will provide adequate protection against injury or irritation. Follow product label instructions.

Eye protection:

Not required under normal conditions of use.
Causes moderate eye irritation.
Avoid contact with eyes.
Emergency responders should wear full eye and face protection.

Hygiene measures:

Avoid contact with skin, eyes and clothing.
Wash hands with soap and water after use.

9. PHYSICAL AND CHEMICAL PROPERTIES**Physical state:**

Liquid (Aerosol spray container)

Appearance:

Aerosol.

Colour:

Clear, water white

Odour:

Fragrances are scent specific. See container label for scent description.

pH:

10.5

Flash point:

65.5° F (18.6° C).
Aerosol flame extension less than 45 centimeters (18 inches).
Flammable Aerosol.

Specific gravity:

1.0 (Concentrate)

Vapour pressure:

95 - 105 psig.

Solubility:

Completely soluble.

Explosion limits:**- upper:**

19%

- lower:

3.3%

10. STABILITY AND REACTIVITY**Stability:**

Stable under recommended storage conditions.
DO NOT expose to heat or store above 55° C (130° F) as container may burst.

Polymerization:	Hazardous polymerisation does not occur.
Hazardous decomposition products:	Oxides of carbon and unknown organic compounds.
Materials to avoid:	Oxidising agents.
Conditions to avoid:	Keep away from open flames, hot surfaces and sources of ignition. Pressurised container. Protect from the sunlight and do not expose to temperatures exceeding 55° C (130° F). Extremes of temperature can occur in cars and near ovens and fireplaces. Do not place in contact with hot surfaces or near naked flames. Do not pierce or burn even after use. Do not spray on a naked flame, onto or near fire, or any incandescent material such as an electric fire.

11. TOXICOLOGICAL INFORMATION

Acute toxicity

Component Information:

Product Information

LC50/inhalation/4h/rat =	No information available.
LD50/dermal/rabbit =	No information available.
LD50/oral/rat =	No information available.

Local effects

Skin irritation:	None expected during normal conditions of use.
Eye irritation:	Moderate eye irritation
Inhalation	None expected during normal use. However intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal.

NOTE TO PARENTS: Intentional misuse by deliberately concentrating and inhaling aerosol products may be harmful or fatal.

Ingestion	Harmful if swallowed. Contains denatured ethyl alcohol.
Sensitization	Not expected to be a skin sensitiser.
Chronic toxicity:	No information available.

Specific effects

Carcinogenic effects:	Not listed as carcinogenic by OSHA, NTP or IARC.
Mutagenic effects:	No information available.
Reproductive toxicity:	No information available.
Target organ effects:	No information available.

Information is based on data on the components and the toxicology of similar products.

12. ECOLOGICAL INFORMATION

Product Information

Aquatic toxicity:	No information available.
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Component Information:

ETHANOL SDA 40-2 95%

64-17-5 (55-60)

Ecotoxicity:

= 11200 mg/L LC50 fingerling trout
= 12900 mg/L LC50 rainbow trout (30 days old) flow-through
= 14200 mg/L LC50 fathead minnow flow-through
= 34634 mg/L EC50 Photobacterium phosphoreum
= 35470 mg/L EC50 Photobacterium phosphoreum

Other information:

Ozone depletion potential; ODP; (R-11 = 1) =

No information available.

Global warming potential (GWP) =

No information available.

Additional ecological information:

No information available.

13. DISPOSAL CONSIDERATIONS

Waste from residues / unused products:

Dispose of in accordance with local regulations.

Contaminated packaging:

Empty container can be disposed of as household trash or rinsed and recycled where appropriate.

Waste Disposal:

Container disposal: Empty containers may be included with domestic refuse for disposal to a landfill. This container may also be recycled in communities where aerosol container recycling is available. Before offering for recycling, empty the can or use the product according to the label instructions.

14. TRANSPORT INFORMATION

UN / Id No:

UN 1950

DOT:

Classification:

UN1950, Aerosols, Flammable, Class 2.1
Re-Classed as Consumer Commodity ORM-D.

Proper shipping name:

Consumer Commodity

U.S. DOT - Hazard Class:

Not applicable.

Subsidiary risk:

Not applicable.

Packing Group:

Not applicable.

DOT RQ (lbs):

Not applicable.

ERG No:

126 / 171

TDG (Canada):

Classification:

UN 1950, Aerosols, Flammable, Class 2.1
Re-Classed as Consumer Commodity.

Proper shipping name:

Consumer Commodity / Limited Quantity / LTD. QTY.

Status:

Not applicable.

Packing Group:

Not applicable.

WHMIS hazard class:

B5 Flammable aerosol

IMDG / IMO

Classification:

UN 1950 - Aerosols, Class 2.1, Limited Quantity.

Proper shipping name:

Aerosols.

Class:

2

Subsidiary Risk:

Not applicable.

Packing group:

Not applicable.

IMDG page:

See IMDG Code.

Marine pollutant:

Not applicable.

EMS:

F-D, S-U

Product code: 0081280

Product name: LYSOL® BRAND III
DISINFECTANT SPRAY, ALL SCENTS
(AEROSOL)

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MFAG: Not applicable.
Maximum quantity: See IMDG Code.

ADR / RID

Classification: Not applicable.
Proper shipping name: Not applicable.
Class: Not applicable.
Subsidiary risk: Not applicable.
Packing Group: Not applicable.
ADR/RID-labels: Not applicable.
Hazard Identification Number: Not applicable.
CEFIC Tremcard No: Not applicable.

ICAO / IATA:

Classification: UN 1950 - Aerosols, Flammable, Limited Quantity.
or
Consumer Commodity, ID 8000, if acceptable to airline (500 ml. / 17 fl.oz. or less).
Proper shipping name: Aerosols, Flammable / Consumer Commodity.
Class: 2.1 (9 if shipped as a Consumer Commodity)
Subsidiary Risk: Not applicable
Packing Group: Not applicable.
Maximum quantity: See DG List.

15. REGULATORY INFORMATION

Components:	PICCS:	TSCA:	DSL:	NDSL:	ENCS:	CHINA:	AICS:	EINECS-No
ISOBUTANE	Present					Present	Present	200-857-2
PROPANE						Present	Present	200-827-9
ETHANOL SDA 40-2 95%						Present	Present	200-578-6
N-ALDIMETHBENZAMMSAC 33%				Present		Present	Present	273-545-7

U.S. Regulations:

Components: *ISOBUTANE - 75-28-5*
NJRTK: Not Listed.
California Proposition 65 - None.
CERCLA/SARA 313: None
Components: *PROPANE - 74-98-6*
NJRTK: Not Listed.
California Proposition 65 - None.
CERCLA/SARA 313: None
Components: *ETHANOL SDA 40-2 95% - 64-17-5*
NJRTK: Not Listed.
California Proposition 65 - None.
CERCLA/SARA 313: None
Components: *N-ALDIMETHBENZAMMSAC 33% - 68989-01-5*
NJRTK: Not Listed.
California Proposition 65 - None.
CERCLA/SARA 313: None

Canada

WHMIS hazard class: B5 Flammable aerosol

16. OTHER INFORMATION

National Fire
Protection
Association (U.S.A.):



HMIS (U.S.A.):

Health Hazard	1
Fire Hazard	3
Reactivity	0
Personal Protection	B

Note: NFPA Aerosol Level: Flammability rated as "1" per NFPA 30B.

Reason for revision:

Revision of data and / or an update of the PSDS.

Additional advice:

This product should only be used as directed on the label and for the purpose intended.

Prepared by:

Reckitt Benckiser (U.S.) Inc.
Product Safety Department
1 Philips Parkway
Montvale, New Jersey 07646-1810 USA.
Phone: 201-573-6391
FAX: 201-476-7770.

Disclaimer:

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

MATERIAL SAFETY DATA SHEET

1. **PRODUCT AND COMPANY IDENTIFICATION**

PRODUCT NAME	Marvel Mystery Oil
PRODUCT CODE	MM003, MM007, MM08, MM010, MM011, MM012R, MM12R, MM013R, MM13R, MM014R, MM14R, MM015, MM016, MM017, MM018, MM613
CHEMICAL FAMILY	Petroleum Distillates
CHEMICAL NAME	Complex Mixture of Hydrocarbons
FORMULA	Mixture

MANUFACTURER

Marvel Oil Company, Inc
625 Willowbrook Centre Parkway
Willowbrook, IL 60527
Phone: 630-455-3866
Fax: 630-455-3868

EMERGENCY TELEPHONE NUMBERS

Transportation:
CHEMTREC: 800-424-9300
Medical:
ROCKY MTN POISON CTR: 800-332-3073

2. **POSITION/INFORMATION ON INGREDIENTS**

COMPONENT	CAS NUMBER	CONCENTRATION (wt %)
Naphthenic Hydrocarbons	64742-52-5	70 – 80
Mineral Spirits	08052-41-3	20 – 30
Chlorinated Hydrocarbons	00095-50-1	0 – 1

EXPOSURE LIMITS 8 hrs. TWA(ppm)

	<u>OSHA PEL</u>	<u>ACGIH TLV</u>
Naphthenic Hydrocarbons	5 as oil mist	5 as oil mist
Mineral Spirits	100	100
Chlorinated Hydrocarbons	25	25

3. **HAZARDS IDENTIFICATION****POTENTIAL HEALTH EFFECTS**

INHALATION: Can cause nasal and respiratory irritation, dizziness, weakness, fatigue, nausea, headache, possible unconsciousness and even asphyxiation.

INGESTION: Can cause gastrointestinal irritation, nausea, vomiting and diarrhea. Aspiration into lungs can cause pneumonitis which can be fatal.

SKIN CONTACT: Prolonged or repeated contact can cause moderated irritation, defatting or dermatitis.

EYE CONTACT: Can cause severe irritation, redness, tearing or blurred vision.

4. **FIRST AID MEASURES**

EYE: Flush with large amounts of water, lifting upper and lower eyelids occasionally. Get medical attention.

SKIN: Thoroughly wash exposed area with soap and water. Remove contaminated clothing. Launder before re-use.

INHALATION: Remove person to fresh air. If breathing difficult, administer oxygen. If breathing has stopped, give artificial respiration. Keep person warm and quiet. Call a physician.

INGESTION: Do not induce vomiting. Keep person quiet and warm. Get medical attention. Aspiration of material into lungs can cause chemical pneumonitis which can be fatal.

5. **FIRE FIGHTING MEASURES**

FLASH POINT: 128 °F (53 °C) TCC

EXTINGUISHING MEDIA: Carbon dioxide, dry chemical, foam.

SPECIAL FIRE FIGHTING PROCEDURES: Wear self-contained breathing apparatus with full facepiece operated with positive pressure-demand when fighting large fires.

6. **ACCIDENTIAL RELEASE MEASURES**

SPILL OR LEAK PROCEDURES: Ventilate area. Remove sources of ignition. Prevent entry into sewers and waterways. Pick up free liquid for recycle and/or disposal. Absorb small amounts on inert material for disposal.

7. **HANDLING AND STORAGE**

STORAGE TEMPERATURE (MIN./MAX.): -40 °F (-40 °C)/ 120 °F (49 °C)

SHELF LIFE: 3 years minimum when the original container is kept tightly closed and properly stored.

SPECIAL SENSITIVITY: None.

HANDLING AND STORAGE PRECAUTIONS: Empty containers may be dangerous since fumes may still exist. Observe precautions given for this product as stated in this document.

8. **EXPOSURE CONTROLS/PERSONAL PROTECTION**

EYE PROTECTION REQUIREMENTS: Splash goggles.

SKIN PROTECTION REQUIREMENTS: Wear chemically resistant gloves.

RESPIRATOR/VENTILATION REQUIREMENTS: Provide sufficient ventilation to avoid exposure levels above the established TLV's.

EXPOSURE LIMITS: Not established for product as whole.

Mineral Spirits	NIOSH	100 ppm TWA
Oil Mist	OSHA	5 mg/m ³

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL FORM:	Thin liquid
COLOR:	Red
ODOR:	Wintergreen
BOILING POINT:	Not determined
MELT / FREEZE POINT	- 60 ° F (- 51 ° C)
PH:	Not applicable
SOLUBILITY IN WATER:	Insoluble
SPECIFIC GRAVITY:	0.876 @ 60 ° F (15.6 ° C)
% VOLATILE BY WEIGHT:	25 %
VAPOR PRESSURE:	Not determined
VAPOR DENSITY:	Not determined

10. REACTIVITY

STABILITY: Stable

HAZARDOUS POLYMERIZATION: Will not occur.

INCOMPATIBILITIES: Strong oxidizing agents.

DECOMPOSITION PRODUCTS: Carbon monoxide, carbon dioxide and hydrocarbons.

11. TOXICOLOGICAL INFORMATION

ACUTE INHALATION: Aspiration into lungs can cause pneumonitis which can be fatal.

CHRONIC INHALATION: Not determined.

ACUTE SKIN CONTACT: Prolonged or repeated contact can cause moderate irritation, defatting or dermatitis.

CHRONIC SKIN CONTACT: Not determined.

ACUTE EYE CONTACT: Can cause severe irritation, redness, tearing or blurred vision.

12. ECOLOGICAL INFORMATION

No data available.

13. DISPOSAL CONSIDERATIONS

Ignitable hazardous waste, EPA Hazardous Waste Number D001

WASTE DISPOSAL METHOD: Dispose of product in accordance with all local, state and federal laws and regulations.

14. TRANSPORT INFORMATION**DOT INFORMATION:**

PROPER SHIPPING NAME:	Non Bulk Bulk	Not regulated Petroleum distillates, n.o.s.
TECHNICAL SHIPPING NAME:		Fuel and oil additive
HAZARD CLASS:	Non Bulk Bulk	ORM-D Class 3
UN NUMBER:		UN 1268
PRODUCT RQ (lbs):		None
LABEL:	Non Bulk Bulk	ORM-D Flammable Liquid
PLACARD:	Non Bulk Bulk	None Flammable Liquid
FREIGHT CLASS BULK:		PG III
FREIGHT CLASS PACKAGE:		None
PRODUCT LABEL		None

15. REGULATORY INFORMATION

TSCA STATUS:	All ingredients listed.
CERCLA REPORTABLE QUANTITY:	None
SARA TITLE III:	

**SECTION 302 EXTREMELY
HAZARDOUS SUBSTANCES**

None

**SECTION 311/312
HAZARD CATEGORIES**

Acute Health	Yes
Chronic Health	Yes
Fire	Yes
Reactive	No
Sudden Release of Pressure	No

SECTION 313

<u>CHEMICAL NAME</u>	<u>CAS NUMBER</u>	<u>CONCENTRATION</u>
Ortho-dichlorobenzene	00095-50-1	0 – 0.25 %

RCRA STATUS: If discarded in its purchased form, this product would be an ignitable waste with an EPA Hazardous Waste Number of D001. However, under RCRA, it is the responsibility of the product

user to determine at the time of disposal, whether a material containing the product should be classified as a hazardous waste. (40CFR261.20-24)

CANADIAN STATUS: All materials contained in this product are listed on the Canadian Domestic Substances List.

EUROPEAN UNION: All materials contained in this product are listed on EINECS.

STATE REGULATORY INFORMATION

The following chemicals are specifically listed by individual states; other product specific health and safety data in other sections of the MSDS may also be applicable for state requirements. For details on your regulatory requirements you should contact the appropriate agency in your state.

<u>COMPONENT/ CAS NUMBER</u>	<u>CONCENTRATION</u>	<u>STATE CODE</u>
---	-----------------------------	--------------------------

p-dichlorobenzene	less than 150 ppm	CA
-------------------	-------------------	----

00106-46-7

CA = Material known to the state of California to cause cancer and/or birth defects. (California Proposition 65).

16. OTHER INFORMATION

HMIS CLASSIFICATION	Health	2
	Flammability	2
	Reactivity	0
	PPI	B
NEPA RATING	Health	2
	Fire	2
	Reactivity	0
	Special	None

REASON FOR ISSUE	Revise address, phone and fax numbers
-------------------------	---------------------------------------

PREPARED BY	Richard P. Kelly
--------------------	------------------

TITLE	Technical Manager
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APPROVAL DATE	June 29, 2006
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SUPERCEDES DATE	September 1, 2005
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REVISION NUMBER	#07
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This information is to the best of Marvel Oil Company's knowledge and belief, accurate and reliable. However, no representation, warranty, or guarantee is made to its accuracy, reliability or completeness. It is the users responsibility to satisfy himself as to the suitability and completeness of such information for his own particular use.

Msdsmm10-4

MATERIAL SAFETY DATA SHEET

3205
04 00

Section 1 -- PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NUMBER

3205

HMIS CODES

Health	2
Flammability	2
Reactivity	0

PRODUCT NAME

MINWAX* Indoor/Outdoor HELMSMAN* Spar Urethane, Satin

MANUFACTURER'S NAME

EMERGENCY TELEPHONE NO.

MINWAX Company

(216) 566-2917

10 Mountainview Road

Upper Saddle River, NJ 07458

DATE OF PREPARATION

INFORMATION TELEPHONE NO.

06-JAN-07

(800) 523-9299

Section 2 -- COMPOSITION/INFORMATION ON INGREDIENTS

% by WT	CAS No.	INGREDIENT	UNITS	VAPOR PRESSURE
49	64742-88-7	Mineral Spirits		
		ACGIH TLV	100 ppm	2 mm
		OSHA PEL	100 ppm	

Section 3 -- HAZARDS IDENTIFICATION

ROUTES OF EXPOSURE

INHALATION of vapor or spray mist.

EYE or SKIN contact with the product, vapor or spray mist.

EFFECTS OF OVEREXPOSURE

EYES: Irritation.

SKIN: Prolonged or repeated exposure may cause irritation.

INHALATION: Irritation of the upper respiratory system.

May cause nervous system depression. Extreme overexposure may result in unconsciousness and possibly death.

SIGNS AND SYMPTOMS OF OVEREXPOSURE

Headache, dizziness, nausea, and loss of coordination are indications of excessive exposure to vapors or spray mists.

Redness and itching or burning sensation may indicate eye or excessive skin exposure.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE

None generally recognized.

CANCER INFORMATION

For complete discussion of toxicology data refer to Section 11.

Continued on page 2

=====
Section 4 -- FIRST AID MEASURES
=====

EYES: Flush eyes with large amounts of water for 15 minutes.
Get medical attention.

SKIN: Wash affected area thoroughly with soap and water.
Remove contaminated clothing and launder before re-use.

INHALATION: If affected, remove from exposure. Restore breathing.
Keep warm and quiet.

INGESTION: Do not induce vomiting.
Get medical attention immediately.

=====
Section 5 -- FIRE FIGHTING MEASURES
=====

FLASH POINT LEL UEL
101 F PMCC 1.0 6.0

FLAMMABILITY CLASSIFICATION
Combustible, Flash above 99 and below 200 F

EXTINGUISHING MEDIA
Carbon Dioxide, Dry Chemical, Foam

UNUSUAL FIRE AND EXPLOSION HAZARDS
Closed containers may explode when exposed to extreme heat.
Application to hot surfaces requires special precautions.
During emergency conditions overexposure to decomposition products may cause a health hazard. Symptoms may not be immediately apparent. Obtain medical attention.

SPECIAL FIRE FIGHTING PROCEDURES
Full protective equipment including self-contained breathing apparatus should be used.
Water spray may be ineffective. If water is used, fog nozzles are preferable. Water may be used to cool closed containers to prevent pressure build-up and possible autoignition or explosion when exposed to extreme heat.

=====
Section 6 -- ACCIDENTAL RELEASE MEASURES
=====

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED
Remove all sources of ignition. Ventilate the area.
Remove with inert absorbent.

=====
Section 7 -- HANDLING AND STORAGE
=====

STORAGE CATEGORY
DOL Storage Class II

Continued on page 3

=====

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE

Contents are COMBUSTIBLE. Keep away from heat and open flame.

Consult NFPA Code. Use approved Bonding and Grounding procedures.
Keep container closed when not in use. Transfer only to approved containers with complete and appropriate labeling. Do not take internally. Keep out of the reach of children.

To minimize the possibility of spontaneous combustion: control the accumulation of overspray; soak wiping rags and waste immediately after use in a water-filled, closed metal container; air dry filters outside, far from any combustible material and separated by bricks or other non-combustible spacers; dispose of all contaminated materials and waste properly. Consult OSHA 29 CFR 1910.107(b)(5) and NFPA 33, Chapter 8 (8-9) for the proper procedures.

=====

Section 8 -- EXPOSURE CONTROLS/PERSONAL PROTECTION

PRECAUTIONS TO BE TAKEN IN USE

Use only with adequate ventilation.
Avoid contact with skin and eyes. Avoid breathing vapor and spray mist.
Wash hands after using.

This coating may contain materials classified as nuisance particulates (listed "as Dust" in Section 2) which may be present at hazardous levels only during sanding or abrading of the dried film. If no specific dusts are listed in Section 2, the applicable limits for nuisance dusts are ACGIH TLV 10 mg/m³ (total dust), 3 mg/m³ (respirable fraction), OSHA PEL 15 mg/m³ (total dust), 5 mg/m³ (respirable fraction).

Removal of old paint by sanding, scraping or other means may generate dust or fumes that contain lead. Exposure to lead dust or fumes may cause brain damage or other adverse health effects, especially in children or pregnant women. Controlling exposure to lead or other hazardous substances requires the use of proper protective equipment, such as a properly fitted respirator (NIOSH approved) and proper containment and cleanup. For more information, call the National Lead Information Center at 1-800-424-LEAD (in US) or contact your local health authority.

VENTILATION

Local exhaust preferable. General exhaust acceptable if the exposure to materials in Section 2 is maintained below applicable exposure limits. Refer to OSHA Standards 1910.94, 1910.107, 1910.108.

RESPIRATORY PROTECTION

If personal exposure cannot be controlled below applicable limits by ventilation, wear a properly fitted organic vapor/particulate respirator approved by NIOSH/MSHA for protection against materials in Section 2.

When sanding or abrading the dried film, wear a dust/mist respirator approved by NIOSH/MSHA for dust which may be generated from this product, underlying paint, or the abrasive.

PROTECTIVE GLOVES

Wear gloves which are recommended by glove supplier for protection against materials in Section 2.

EYE PROTECTION

Wear safety spectacles with unperforated sideshields.

OTHER PRECAUTIONS

Intentional misuse by deliberately concentrating and inhaling the contents can be harmful or fatal.

Continued on page 4

=====
Section 9 -- PHYSICAL AND CHEMICAL PROPERTIES
=====

PRODUCT WEIGHT 7.50 lb/gal 899 g/l
SPECIFIC GRAVITY 0.90
BOILING POINT 300 - 395 F 148 - 201 C
MELTING POINT Not Available
VOLATILE VOLUME 57 %
EVAPORATION RATE Slower than ether
VAPOR DENSITY Heavier than air
SOLUBILITY IN WATER N.A.
VOLATILE ORGANIC COMPOUNDS (VOC Theoretical - As Packaged)
3.70 lb/gal 444 g/l Less Water and Federally Exempt Solvents
3.70 lb/gal 444 g/l Emitted VOC

=====
Section 10 -- STABILITY AND REACTIVITY
=====

STABILITY -- Stable
CONDITIONS TO AVOID
None known.
INCOMPATIBILITY
None known.
HAZARDOUS DECOMPOSITION PRODUCTS
By fire: Carbon Dioxide, Carbon Monoxide
HAZARDOUS POLYMERIZATION
Will not occur

=====
Section 11 -- TOXICOLOGICAL INFORMATION
=====

CHRONIC HEALTH HAZARDS

No ingredient in this product is an IARC, NTP or OSHA listed carcinogen.
Prolonged overexposure to solvent ingredients in Section 2 may cause
adverse effects to the liver and urinary systems.
Reports have associated repeated and prolonged overexposure to solvents
with permanent brain and nervous system damage.

TOXICOLOGY DATA

CAS No.	Ingredient Name				
64742-88-7	Mineral Spirits				
		LC50	RAT	4HR	Not Available
		LD50	RAT		Not Available

=====
Section 12 -- ECOLOGICAL INFORMATION
=====

ECOTOXICOLOGICAL INFORMATION

No data available.

Continued on page 5

=====
Section 13 -- DISPOSAL CONSIDERATIONS
=====

WASTE DISPOSAL METHOD

Waste from this product may be hazardous as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261.

Waste must be tested for ignitability to determine the applicable EPA hazardous waste numbers.

Incinerate in approved facility. Do not incinerate closed container. Dispose of in accordance with Federal, State/Provincial, and Local regulations regarding pollution.

=====
Section 14 -- TRANSPORT INFORMATION
=====

No data available.

=====
Section 15 -- REGULATORY INFORMATION
=====

SARA 313 (40 CFR 372.65C) SUPPLIER NOTIFICATION

CAS No.	CHEMICAL/COMPOUND	% by WT	% Element
---------	-------------------	---------	-----------

No ingredients in this product are subject to SARA 313 (40 CFR 372.65C) Supplier Notification.

CALIFORNIA PROPOSITION 65

WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

TSCA CERTIFICATION

All chemicals in this product are listed, or are exempt from listing, on the TSCA Inventory.

=====
Section 16 -- OTHER INFORMATION
=====

This product has been classified in accordance with the hazard criteria of the Canadian Controlled Products Regulations (CPR) and the MSDS contains all of the information required by the CPR.

The above information pertains to this product as currently formulated, and is based on the information available at this time. Addition of reducers or other additives to this product may substantially alter the composition and hazards of the product. Since conditions of use are outside our control, we make no warranties, express or implied, and assume no liability in connection with any use of this information.



MATERIAL SAFETY DATA SHEET

MSDS#: FH/H/2005/JWJA-6JNPT2(1)

Issue Date: 9/13/06

Supersedes: FH/H/2005/JWJA-6JNPT2

Issue Date: 12/27/05

SECTION I - CHEMICAL PRODUCT

Identity: **Disinfecting Liquid Hard Surface Cleaner****Packaged, Finished Product**Brands: **MR. CLEAN MULTI-SURFACES ANTIBACTERIAL SPRAY (Orange and Lemon Scents)**

P&G Telephone Number: 1-800-8-MR CLEAN (1-800-867-2532) or call Local Poison Control Center or your physician.

SECTION II - COMPOSITION AND INGREDIENTS

Active ingredients listed on the product label are the following:

n-Alkyl (C14-60%, C16-30%, C12-5%) Dimethyl Benzyl Ammonium Chloride.... 0.05%

n-Alkyl (C12-68%, C14-32%) Dimethyl Ethylbenzyl Ammonium Chloride..... 0.05%

Other Ingredients..... 99.90%

Total:.....100.00%

Hazardous Ingredients as defined by OSHA, 29 CFR 1910.1200.

<u>Chemical Name</u>	<u>Common Name</u>	<u>CAS No.</u>	<u>Composition Range</u>	<u>LD50/LC50</u>
Ethyl alcohol	Ethanol	64-17-5	0.1-1%	LD50 (rabbit, oral) = 6300 mg/kg
2-aminoethanol	Monoethanolamine	141-43-5	0.1-1%	LD50 (rats, oral) = 10.2 g/kg

SECTION III - HAZARDS IDENTIFICATION

Health Hazards (Acute and Chronic):

Ingestion: May cause mucous membrane irritation. Possible mild gastrointestinal irritation with nausea, vomiting, and/or diarrhea. Large ingestions may cause temporary dizziness, uncoordination and headache.

Eye Contact: May cause eye irritation. May result in transient, superficial effects similar to those produced by mild toilet soaps.

Skin: May cause skin irritation. Use on irritated or extremely dry skin may aggravate the existing condition.

Inhalation: May cause mucous membrane irritation.

SECTION IV - FIRST AID INFORMATION

Emergency and First Aid Procedures:

Ingestion: Dilute with fluids and treat symptomatically. For large ingestions, call a physician.

Eye Contact: Flush thoroughly with water for 15 minutes. Get medical attention if irritation persists.

Skin: Rinse exposed area with soap and water and discontinue use.

Inhalation: Get fresh air.

Other: Product package has a caution statement: KEEP OUT OF REACH OF CHILDREN. CAUTION: Causes eye irritation. Avoid contact with eyes, skin or clothing. Wash thoroughly with soap and water after handling.

SECTION V - FIRE FIGHTING INFORMATION

Explosive Limits: LEL: N/A UEL: N/A

Extinguishing Media: CO₂, water, dry chemical or "alcohol" foam.

Special Fire Fighting Procedures: Use water to keep fire exposed container cool.

Unusual Fire Hazards: Combustible liquid. Product will produce a brief flash but will not support sustained combustion when in contact with open flame above the indicated flashpoint.

Stability Unstable:

Conditions to Avoid: None known

Stable: X

Incompatibility (Materials to Avoid): None known

Hazardous Decomposition/By Products: None known

Hazardous Polymerization: May Occur.

Conditions to Avoid: None known

Will Not Occur: X

SECTION VI - ACCIDENTAL RELEASE MEASURES

Personal Precautions: N/A

Environmental Precautions: DISPOSAL IS TO BE PERFORMED IN COMPLIANCE WITH ALL FEDERAL, STATE/PROVINCIAL AND LOCAL REGULATIONS. Small (household) quantities may be disposed of via sewer with large quantities of water. Discard empty container in trash.

Steps To Be Taken in Case Material is Released or Spilled: Use water spray to dilute and/or wash away spills to avoid exposure and to protect persons working to stop/repair leak.

SECTION VII - HANDLING AND STORAGE

Precautions To Be Taken in Handling and Storing: Handling and storage must be well ventilated, cool, and dry. Materials must be isolated from potential sources of ignition. Fire fighting equipment must be available at all times.

Other Precautions: Keep away from sparks and open flame.

SECTION VIII - EXPOSURE CONTROLS, PERSONAL PROTECTION**Recommended Exposure Limits:**

Ethanol (CAS# 64-17-5) ACGIH-TLV 1000 ppm and OSHA Z-1 PEL 1000 ppm

2-aminoethanol (CAS# 141-43-5) ACGIH TLV 3 ppm; OSHA PEL 3 mg/m³ and OSHA PEL 6 ppm (15 min)**Respiratory Protection (Specify Type):** None required with normal consumer use.**Ventilation Local Exhaust:** None required with normal consumer use.*Special:* None*Mechanical (General):* Acceptable.*Other:* None**Eye Protection:** None required with normal consumer use.*Industrial Setting:* For splash protection, use chemical goggles.**Protective Gloves:** None required with normal consumer use.*Industrial Setting:* Minimize skin contact with normal consumer use.**Other Protective Equipment:** None required with normal consumer use.*Industrial Setting:* Use ventilation to minimize exposure to vapor or mist (ethanol).**SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES****Boiling Point °F:** 200°F**Specific Gravity (H₂O=1):** 0.99**Vapor Pressure (mm Hg):** N/A**Percent Volatile by Volume (%):** ca. 95**Vapor Density (Air=1):** N/A**Evaporation Rate (nBuOAc=1):** Unknown**Odor Threshold:** N/A**Freezing Point:** N/A**Coefficient of Water/Oil Distribution:** N/A**pH:** 10.69**Flash Point:** 135.7°F Pensky-Martens (Closed cup)**Solubility in Water:** Completely**Appearance and Odor:** Colored liquid (yellow or orange). Product is perfumed.**Reserve Alkalinity:** N/A**SECTION X - STABILITY AND REACTIVITY****Possible Hazardous Reactions/Conditions/By-Products:** None known**Conditions to Avoid:** None**Materials to Avoid:** None**Hazardous Decomposition Products:** None known**Other Recommendations:** None**SECTION XI - TOXICOLOGICAL INFORMATION**

LD50 (rats oral): >20 g/kg

SECTION XII - ECOLOGICAL INFORMATION

No concerns at relevant environmental concentrations.

SECTION XIII - DISPOSAL CONSIDERATIONS**Waste Disposal Method:**

Households: Consumers may dispose small (household) quantities down the drain with running water. Discard empty container in trash or thoroughly rinse and recycle where facilities exist.

Non-household settings: Industrial disposal of product in finished, consumer-ready packaging must be disposed of as an organic pesticide. Records must be kept of the disposal that documents the method of disposal, the date of disposal, the location of the disposal site, the type of pesticide disposed of (organic pesticide), and the amount of pesticide disposed of. Disposal records must be retained for 20 years. Incineration is preferred where permitted. Product removed from finished, consumer-ready packaging may be disposed of as non-pesticidal, liquid waste which is non-hazardous waste according to Federal RCRA regulations (40 CFR 261).

DISPOSAL IS TO BE PERFORMED IN COMPLIANCE WITH FEDERAL, STATE/PROVINCIAL AND LOCAL REGULATIONS.

SECTION XIV - TRANSPORT INFORMATION

Transportation Information – This product is not regulated for transportation.

For finished packaged product transported by ground (DOT): Not regulated

For finished packaged product transported by water (IMGD): Not regulated

For finished packaged product transported by air (IATA): Not regulated

SECTION XV - ADDITIONAL REGULATORY INFORMATION

All intentionally-added components of this product are listed on the US TSCA Inventory.

EPA Reg. No. 6836-245-3573 / California Reg. No. 6836-245-ZD-3573

This product is not subject to warning labeling under California Proposition 65.

Perfumes contained within the products covered by this MSDS comply with appropriate IFRA guidance.

SECTION XVI - OTHER INFORMATION

*N/A. - Not Applicable

*N/K. - Not Known

P&G Hazard Rating:	Health:	1	4=EXTREME
	Flammability:	2	3=HIGH
	Reactivity:	0	2= MODERATE
			1=SLIGHT

Data supplied is for use only in connection with occupational safety and health.

The information contained herein has been compiled from sources considered by Procter & Gamble to be dependable and is accurate to the best of the Company's knowledge. The information relates to the specific material designated herein, and does not relate to the use in combination with any other material or any other process. Procter & Gamble assumed no responsibility for injury to the recipient or third persons, for any damage to any property resulting from misuse of the controlled product.



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Material Safety Data Sheet (MSDS)

NAPA Brake Fluid DOT 3

MATERIAL SAFETY DATA SHEET

Effective Date: 11-15-99

Revision Date: none

NAPA Brake Fluid DOT 3

Code: CST

Page: 1

Section 1 - Product and Company Identification

PRODUCT NAME: NAPA Brake Fluid DOT 3

MANUFACTURER'S NAME:
 Coastal Uni-Lube Inc.
 9 Greenway Plaza
 Houston, TX 77046

EMERGENCY TELEPHONE NUMBER
 (713) 877-1400

MISCELLANEOUS INFORMATION

Section 2 - Hazardous Ingredients

OSHA	ACGIH	Product Name	CAS #	Wt.	PEL	TLV	Other	Units
		Coastal S. H. D. Brake Fluid Mixture		100%	NA	NA		
		DOT3						

Ingredients	NA-P	Wt.	PEL	TLV	Other	Units
Blend of various Glycol Ethers, Glycol and Polyglycol	NA-P	100%	NA	NA	NA	PPM

NA= Not Available
 NA-P= Information is claimed proprietary by supplier
 STEL= Short Term Exposure Limit; 15 Minutes

MATERIAL SAFETY DATA SHEET

Effective Date: none

Revision Date: none

NAPA Brake Fluid DOT 3

Code: CST

Page: 2

Section 3 - Hazards Identification

This product has not been tested as a whole to determine its specific hazards. The information provided in this section is based on health hazard information on the product components.

Effects of overexposure:

Acute:

EYES: May cause severe eye irritation and chemical burns.

SKIN: Slightly irritating to the skin. Harmful amounts may be absorbed through the skin with extensive and prolonged contact.

INHALATION: Exposure to vapors or mist may result in irritation of the respiratory tract, headache, drowsiness and dizziness. High concentrations of ethylene glycol ethers may be lethal.

INGESTION: May cause irritation of the mouth, throat, and the

respiratory tract, abdominal discomfort, dizziness, lumbar pain, CNS depression, kidney and liver damage.

Chronic: Prolonged or repeated contact may result in toxic amounts being absorbed through the skin.

Carcinogenicity: NTP: No IARC Monographs: No OSHA Regulated: No

=====
Section 4 - First Aid Measures

Eye Contact: Flush thoroughly with large amounts of water for at least 15 minutes, including under the eye lids. Contact a physician immediately, preferably an ophthalmologist. Speed and thoroughness in rinsing eyes are important to avoid permanent injury.

Skin Contact: Remove contaminated clothing. Wash affected areas with soap and water. If irritation occurs, get medical help. Discard contaminated shoes.

Inhalation: Remove to fresh air. If breathing has stopped, apply artificial respiration. Get immediate medical attention.

Ingestion: Never give anything by mouth to an unconscious or convulsing person. Have the affected person, if conscious, drink 1 to 2 glasses of water, then induce vomiting. Get immediate medical attention.

=====
MATERIAL SAFETY DATA SHEET

Effective Date: none

Revision Date: none

NAPA Brake Fluid DOT 3

Code: CST

Page: 3

=====
Section 5 - Firefighting Measures

Flash Point: >200 F
Flammable Limits in Air % by Vol.: Lower: N.A. Upper: N.A.
Autoignition Temperature: N.A.
Extinguishing Media: Dry chemical, foam, carbon dioxide

Special Fire Fighting Procedure: Water spray may be used to keep fire-exposed containers cool, preventing pressure build up and explosion. Firefighters should wear self-contained breathing apparatus.

Unusual Fire or Explosion Hazard: May ignite when sufficient heat is applied.

=====
Section 6 - Environmental Release Measures

Spill Procedures: Remove sources of heat or ignition including internal combustion engines and power tools. Remove spill with vacuum trucks or pump and soak up residue with an absorbent. Use approved respirator where occupational exposure limits may be exceeded.

=====
Section 7 - Handling and Storage

Store in tightly closed containers in an dry place, away from incompatible materials or sources of heat, ignition or strong oxidizers. Ground and bond all transfer and storage equipment. Empty containers may contain residue (liquid and/or vapor) and can be dangerous. Do not pressurize, cut, puncture, incinerate, weld, braze, solder, drill, grind or expose such containers to heat, flame, sparks or other sources of ignition.

=====
Section 8 - Exposure Controls/Personal Protection

Eye Protection: Remove contact lenses and wear chemical safety goggles where contact with liquid or mist may occur.

Skin Protection: Wear impervious gloves when contact with skin may occur. Use face shield where splashing may occur. Wash with soap and water before

eating, drinking and smoking. Launder contaminated clothing before reuse.

Inhalation: Use approved respiratory protective equipment for cleaning large spills or entry into large tanks, vessels or other confined spaces or in situations where exposure may exceed occupational exposure levels.

Ventilation: Provide adequate general and local exhaust ventilation: (1) to keep mist and vapors below occupational exposure levels; and (2) to prevent the formation of an oxygen deficient atmosphere, particularly in a confined space.

=====

MATERIAL SAFETY DATA SHEET

Effective Date: none

Revision Date: none

NAPA Brake Fluid DOT 3

Code: CST

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=====

Section 9 - Physical and Chemical Properties

Boiling Point 760 mmHg:	401 F	Melting Point:	N.A.
Vapor Pressure mmHg @ 100F:	<0.1	Vapor Density (air=1):	N.A.
Solubility in H2O %:	Soluble	pH:	N.A.
Specific Gravity(H2O):	1.02-1.04	Evaporation Rate:	
% Volatile by Volume:	N.A.	(ethyl ether=1):	N.A.
Viscosity (method, temp):	N.A.		
Appearance: Clear liquid		Odor: Mild ether odor	

N.A. = Not Available

=====

Section 10 - Stability and Reactivity

Stability: Stable

Hazardous Polymerization: Will not occur.

Conditions to Avoid/Incompatibility: Strong oxidizing agents, heat, spark, flame and build-up of static electricity.

Hazardous Decomposition Products: Carbon monoxide, carbon dioxide, water and/or oxygenated hydrocarbons.

=====

Section 11 - Toxicological Information

Persons with preexisting respiratory, liver, kidney, eye or skin diseases may be adversely affected by this product. Ethylene glycol and ethylene glycol ethers have produced dose-related teratogenic effects and maternal toxicity in laboratory animals. Exposure to vapors of ethylene glycol ethers have caused testicular atrophy in laboratory animals.

=====

Section 12 - Ecological Information

No information.

=====

Section 13 - Disposal Considerations

Waste Disposal: Dispose through a licensed waste disposal company. Follow federal, state and local regulations.

=====

Section 14 - Transport Information

Not applicable.

=====

MATERIAL SAFETY DATA SHEET

Effective Date: none

Revision Date: none

NAPA Brake Fluid DOT 3

Code: CST

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=====

Section 15 - Regulatory Information

SARA TITLE III INFORMATION

Section 311/312 Hazard Categorization

Acute Chronic Fire Pressure Reactive

X X

SARA Hazardous Substances

Ingredient	CAS No.	%, wt	Sec 313	Sec 302	RQ, lb	TPQ, lb
Ethylene Glycol	110-80-5	NA	X			
Glycol Ethers	various	<75	X			

Key: Sec 313 = Toxic Chemicals, Section 313
Sec 302 = Extremely Hazardous Substances (EHS)
RQ = Reportable Quantity of EHS
TPQ = Threshold Planning Quantity of EHS

=====
Section 16 - Other Information

CALIFORNIA PROPOSITION 65 WARNING

Chemicals known to the State of California to cause cancer, birth defects or other reproductive harm may be found in the petroleum products. Although it is possible to sufficiently refine the petroleum products to remove the potential for cancer, we are advising that one or more of the listed chemicals may be present in some detectable quantities. Read and follow directions and use care when handling these petroleum products.

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Material Safety Data Sheet (MSDS)

MATERIAL SAFETY DATA SHEET

The Valvoline Company

Date Prepared: 01/14/02

Date Printed: 09/03/03

MSDS No: 503.0340955-001.005

NAPA PREM STARTING FLUID

Page 001

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Material Identity

Product Name: NAPA PREM STARTING FLUID

SAP Material No: NM7200

General or Generic ID: SOLVENT BLEND

Company

Telephone Numbers

The Valvoline Company

Emergency: 1-800-274-5263

P.O. Box 14000

Lexington, KY 40512

Information: 1-859-357-7206

2. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient(s)	CAS Number	% (by weight)
HEPTANE	142-82-5	60.0- 70.0
ETHYL ETHER ACS REAGENT GRADE	60-29-7	23.0- 33.0
CARBON DIOXIDE	124-38-9	1.0- 11.0

3. HAZARDS IDENTIFICATION

Potential Health Effects

Eye

May cause mild eye irritation.

Skin

Can cause skin irritation. Prolonged or repeated contact may dry and crack the skin. Passage of this material into the body through the skin is possible, but it is unlikely that this would result in harmful effects during safe handling and use.

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Swallowing

Swallowing small amounts of this material during normal handling is not likely to cause harmful effects. Swallowing large amounts may be harmful. This material can get into the lungs during swallowing or vomiting. This results in lung inflammation and other lung injury.

Inhalation

Breathing aerosol and/or mist is possible when material is sprayed. Aerosol and mist may present a greater risk of injury because more material may be present in the air than from vapor alone. Breathing small amounts of this material during normal handling is not likely to cause harmful effects. Breathing large amounts may be harmful. Symptoms usually occur at air concentrations higher than the recommended exposure limits (See Section 8).

Symptoms of Exposure

Signs and symptoms of exposure to this material through breathing, swallowing, and/or passage of the material through the skin may include: stomach or intestinal upset (nausea, vomiting, diarrhea) irritation (nose, throat, airways), central nervous system depression (dizziness, drowsiness, weakness, fatigue, nausea, headache, unconsciousness), loss of appetite, loss of coordination irregular heartbeat, narcosis (dazed or sluggish feeling).

Target Organ Effects

testis damage, lung damage, visual impairment, central nervous system effects.

Developmental Information

There are no data available for assessing risk to the fetus from maternal exposure to this material.

Cancer Information

This material is not listed as a carcinogen by the International Agency for Research on Cancer, the National Toxicology Program, or the Occupational Safety and Health Administration.

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Other Health Effects

No data

Primary Route(s) of Entry

Inhalation, Skin absorption, Skin contact, Eye contact.

4. FIRST AID MEASURES

Eyes

If symptoms develop, move individual away from exposure and into fresh air. Flush eyes gently with water while holding eyelids apart. If symptoms persist or there is any visual difficulty, seek medical attention.

Skin

Remove contaminated clothing. Flush exposed area with large amounts of water. If skin is damaged, seek immediate medical attention. If skin is not damaged and symptoms persist, seek medical attention. Launder clothing before reuse.

Swallowing

Seek medical attention. If individual is drowsy or unconscious, do not give anything by mouth; place individual on the left side with the head down. Contact a physician, medical facility, or poison control center for advice about whether to induce vomiting. If possible, do not leave individual unattended.

Inhalation

If symptoms develop, move individual away from exposure and into fresh air. If symptoms persist, seek medical attention. If breathing is difficult, administer oxygen. Keep person warm and quiet; seek immediate medical attention.

Note to Physicians

Inhalation of high concentrations of this material, as could occur in enclosed spaces or during deliberate abuse, may be associated with cardiac arrhythmias. Sympathomimetic drugs may initiate cardiac arrhythmias in persons exposed to this material. This material is an aspiration hazard. Potential danger from aspiration must be weighed against possible oral toxicity (See Section 3 - Swallowing) when deciding whether to induce vomiting. Preexisting

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disorders of the following organs (or organ systems) may be aggravated by exposure to this material: skin, lung (for example, asthma-like conditions), Individuals with pre-existing heart disorders may be more susceptible to arrhythmias (irregular

heartbeats) if exposed to high concentrations of this material.

5. FIRE FIGHTING MEASURES

Flash Point

Not applicable

Explosive Limit

(for component) Lower 1.0 %

Autoignition Temperature

No data

Hazardous Products of Combustion

May form:

Fire and Explosion Hazards

Material is highly volatile and readily gives off vapors which may travel along the ground or be moved by ventilation and ignited by pilot lights, other flames, sparks, heaters, smoking, electric motors, static discharge, or other ignition sources at locations distant from material handling point. Never use welding or cutting torch on or near drum (even empty) because product (even just residue) can ignite explosively.

Extinguishing Media

No data

Fire Fighting Instructions

Wear a self-contained breathing apparatus with a full facepiece operated in the positive pressure demand mode with appropriate turn-out gear and chemical resistant personal protective equipment. Refer to the personal protective equipment section of this MSDS.

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NAPA PREM STARTING FLUID

NFPA Rating

Health - 1, Flammability - 4, Reactivity - 0

6. ACCIDENTAL RELEASE MEASURES

Small Spill

Eliminate all sources of ignition such as flares, flames (including pilot lights), and electrical sparks. Absorb liquid on vermiculite, floor absorbent or other absorbent material. Persons not wearing proper personal protective equipment should be excluded from area of spill.

Large Spill

Prevent run-off to sewers, streams or other bodies of water. If run-off occurs, notify proper authorities as required, that a spill has occurred. Persons not wearing protective equipment should be excluded from area of spill until clean-up has been completed. Eliminate all ignition sources (flares, flames, including pilot lights, electrical sparks).

7. HANDLING AND STORAGE

Handling

Containers of this material may be hazardous when emptied. Since emptied containers retain product residues (vapor, liquid, and/or solid), all hazard precautions given in the data sheet must be observed. All five gallon pails and larger metal containers including tank cars and tank trucks should be grounded and/or bonded when material is transferred. Precautions during use: avoid prolonged or frequently repeated skin contact with this material. Skin contact can be minimized by wearing impervious protective gloves. As with all products of this nature, good personal hygiene is essential. Hands and other exposed areas should be washed thoroughly with soap and water after contact, especially before eating and/or smoking. Regular laundering of contaminated clothing is essential to reduce indirect skin contact with this material. Hydrocarbon solvents are basically non-conductors of electricity and can become electrostatically charged during mixing, filtering or pumping at high flow rates.

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If this charge reaches a sufficiently high level, sparks can form that may ignite the vapors of flammable liquids.

Storage

Do not store near extreme heat, open flame, or sources of ignition.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION**Eye Protection**

Chemical splash goggles in compliance with OSHA regulations are advised; however, OSHA regulations also permit other type safety glasses. Consult your safety representative.

Skin Protection

Wear resistant gloves (consult your safety equipment supplier). To prevent repeated or prolonged skin contact, wear impervious clothing and boots.

Respiratory Protections

If workplace exposure limit(s) of product or any component is exceeded (See Exposure Guidelines), a NIOSH/MSHA approved air supplied respirator is advised in absence of proper environmental control. OSHA regulations also permit other NIOSH/MSHA respirators (negative pressure type) under specified conditions (consult your industrial hygienist). Engineering or administrative controls should be implemented to reduce exposure.

Engineering Controls

Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below TLV(s).

Exposure Guidelines**Component**

HEPTANE (142-82-5)

OSHA VPEL 1600.000 mg/m3 - TWA

OSHA VPEL 400.000 ppm - TWA

OSHA VPEL 500.000 ppm - STEL

OSHA VPEL 2000.000 mg/m3 - STEL

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ACGIH TLV 400.000 ppm - TWA

ACGIH TLV 1640.000 mg/m3 - TWA

ACGIH TLV 2050.000 mg/m3 - STEL

ACGIH TLV 500.000 ppm - STEL

ETHYL ETHER ACS REAGENT GRADE (60-29-7)

No exposure limits established

CARBON DIOXIDE (124-38-9)

OSHA VPEL 10000.000 ppm - TWA

OSHA VPEL 18000.000 mg/m3 - TWA

OSHA VPEL 54000.000 mg/m3 - STEL

OSHA VPEL 30000.000 ppm - STEL

ACGIH TLV 9000.000 mg/m3 - TWA

ACGIH TLV 5000.000 ppm - TWA

ACGIH TLV 54000.000 mg/m3 - STEL

ACGIH TLV 30000.000 ppm - STEL

9. PHYSICAL AND CHEMICAL PROPERTIES**Boiling Point**

(for component) 94.0 F (34.4 C)

Vapor Pressure

(for component) 439.000 mmHg

Specific Vapor Density

> 1.000 @ AIR=1

Specific Gravity

.690 - .720 @ 77.00 F

Liquid Density

5.860 lbs/gal @ 77.00 F
.705 kg/l @ 25.00 C

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NAPA PREM STARTING FLUID

Percent Volatiles (Including Water)

No data

Evaporation Rate

SLOWER THAN ETHYL ETHER

Appearance

No data

State

LIQUID

Physical Form

No data

Color

No data

Odor

No data

pH

Not applicable

Flame Propagation

> 18.000 IN

10. STABILITY AND REACTIVITY

Hazardous Polymerization

Product will not undergo hazardous polymerization.

Hazardous Decomposition

May form: carbon dioxide and carbon monoxide, various hydrocarbons.

MATERIAL SAFETY DATA SHEET

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NAPA PREM STARTING FLUID

Chemical Stability

Stable.

Incompatibility

Avoid contact with: aldehydes, alkanol amines, amines, ammonia, chlorinated solvents, oxygen, strong bases, strong oxidizing agents.

11. TOXICOLOGICAL INFORMATION

No data

12. ECOLOGICAL INFORMATION

No data

13. DISPOSAL CONSIDERATION

Waste Management Information

Dispose of in accordance with all applicable local, state and federal regulations.

14. TRANSPORT INFORMATION

DOT Information - 49 CFR 172.101

DOT Description:

CONSUMER COMMODITY, ORM-D

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Container/Mode:
 CASES/SURFACE - ORM-D EXCEPTION
 NOS Component:
 None
 RQ (Reportable Quantity) - 49 CFR 172.101
 Product Quantity (lbs) Component

333 DIETHYL ETHER

15. REGULATORY INFORMATION

US Federal Regulations
 TSCA (Toxic Substances Control Act) Status
 TSCA (UNITED STATES) The intentional ingredients of this product are listed.
 CERCLA RQ - 40 CFR 302.4
 None
 SARA 302 Components - 40 CFR 355 Appendix A
 None
 Section 311/312 Hazard Class - 40 CFR 370.2
 Immediate(X) Delayed(X) Fire(X) Reactive() Sudden
 Release of Pressure()
 SARA 313 Components - 40 CFR 372.65
 None
 International Regulations
 Inventory Status
 AICS (AUSTRALIA) The intentional ingredients of this product are listed.
 DSL (CANADA) The intentional ingredients of this product are listed.
 ECL (SOUTH KOREA) The intentional ingredients of this product are listed.
 EINECS (EUROPE) The intentional ingredients of this product are listed.

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State and Local Regulations

California Proposition 65
 None
 New Jersey RTK Label Information
 N-HEPTANE 142-82-5
 CARBON DIOXIDE 124-38-9
 Pennsylvania RTK Label Information
 HEPTANE (N-) 142-82-5
 CARBON DIOXIDE 124-38-9

16. OTHER INFORMATION

The information accumulated herein is believed to be accurate but is not warranted to be whether originating with the company or not. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances.

circumstances.

New Jersey RTK Label Information
 N-HEPTANE 142-82-5
 DIISOPROPYL ETHER 108-20-3
 PENTANE 109-66-0
 CARBON DIOXIDE 124-38-9
 Pennsylvania RTK Label Information
 HEPTANE (N-) 142-82-5
 PROPANE, 2,2'-OXYBIS- 108-20-3
 PENTANE 109-66-0
 CARBON DIOXIDE 124-38-9

16. OTHER INFORMATION

The information accumulated herein is believed to be accurate but is not warranted to be whether originating with the company or not. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances.

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DOD Hazardous Materials Information System
DoD 6050.5-L
AS OF July 1998

FSC: 6850
NIIN: 00N068795
Manufacturer's CAGE: NAREN
Part No. Indicator: A
Part Number/Trade Name: NARCO 938 RUST REMOVER

=====
General Information
=====

Item Name:
Company's Name: NAR ENTERPRISES INC
Company's Street: 5006 85TH AVE EAST F-9
Company's P. O. Box:
Company's City: PUYALLUP
Company's State: WA
Company's Country: US
Company's Zip Code: 98371
Company's Emerg Ph #: 206-922-1775; 206-838-3980
Company's Info Ph #: 206-922-1775; 206-838-3980
Distributor/Vendor # 1:
Distributor/Vendor # 1 Cage:
Distributor/Vendor # 2:
Distributor/Vendor # 2 Cage:
Distributor/Vendor # 3:
Distributor/Vendor # 3 Cage:
Distributor/Vendor # 4:
Distributor/Vendor # 4 Cage:
Safety Data Action Code:
Safety Focal Point: N
Record No. For Safety Entry: 001
Tot Safety Entries This Stk#: 001
Status: SMJ
Date MSDS Prepared: 01JAN95
Safety Data Review Date: 17JAN96
Supply Item Manager:
MSDS Preparer's Name:
Preparer's Company:
Preparer's St Or P. O. Box:
Preparer's City:
Preparer's State:
Preparer's Zip Code:
Other MSDS Number:
MSDS Serial Number: CBJLT
Specification Number:
Spec Type, Grade, Class:
Hazard Characteristic Code:
Unit Of Issue:
Unit Of Issue Container Qty:
Type Of Container:
Net Unit Weight:

Report for NIIN: 00N068795

NRC/State License Number:
Net Explosive Weight:
Net Propellant Weight-Ammo:
Coast Guard Ammunition Code:

=====
Ingredients/Identity Information
=====

=====

Proprietary: NO
Ingredient: PHOSPHORIC ACID (SARA 313) (CERCLA)
Ingredient Sequence Number: 01
Percent: 52
Ingredient Action Code:
Ingredient Focal Point: N
NIOSH (RTECS) Number: TB6300000
CAS Number: 7664-38-2
OSHA PEL: 1 MG/M3
ACGIH TLV: 1 MG/M3/3 STEL
Other Recommended Limit: N/K

Proprietary: NO
Ingredient: ETHANOL, 2-BUTOXY-; (ETHYLENE GLYCOL MONOBUTYL ETHER)
Ingredient Sequence Number: 02
Percent: 12
Ingredient Action Code:
Ingredient Focal Point: N
NIOSH (RTECS) Number: KJ8575000
CAS Number: 111-76-2
OSHA PEL: 50 PPM, S
ACGIH TLV: 25 PPM, S
Other Recommended Limit: N/K

=====

Physical/Chemical Characteristics

=====

Appearance And Odor: CLEAR LIQUID, WITH SLIGHT ODOR
Boiling Point: 212F, 100C
Melting Point: N/K
Vapor Pressure (MM Hg/70 F): N/K
Vapor Density (Air=1): N/K
Specific Gravity: 1-4
Decomposition Temperature: N/K
Evaporation Rate And Ref: SLOWER THAN BU AC
Solubility In Water: COMPLETE
Percent Volatiles By Volume: N/K
Viscosity:
pH: N/K
Radioactivity:
Form (Radioactive Matl):
Magnetism (Milligauss):
Corrosion Rate (IPY): N/K
Autoignition Temperature:

Report for NIIN: 00N068795

=====

Fire and Explosion Hazard Data

=====

Flash Point: N/K
Flash Point Method: N/P
Lower Explosive Limit: N/A
Upper Explosive Limit: N/A
Extinguishing Media: USE CARBON DIOXIDE, DRY CHEMICAL, FOAM EXTINGUISHER, WATER SPRAY.
Special Fire Fighting Proc: WEAR NIOSH/MSHA APPROVED SCBA & FULL PROTECTIVE EQUIPMENT (FP N).
Unusual Fire And Expl Hazrds: THERMAL DECOMPOSITION EMITS TOXIC FUMES OF OXIDES OF PHOSPHORUS.

=====

Reactivity Data

=====

Stability: YES

Cond To Avoid (Stability): NONE SPECIFIED BY MANUFACTURER.

Materials To Avoid: CONTACT WITH ALKALINE MATERIALS, CONTACT WITH REACTIVE METALS (E.G., MILD STEEL AND ALUMINUM).

Hazardous Decomp Products: AT FLAME TEMPERATURES, WILL EMIT TOXIC PHOSPHORUS OXIDE FUMES.

Hazardous Poly Occur: NO

Conditions To Avoid (Poly): NOT RELEVANT.

=====

Health Hazard Data

=====

LD50-LC50 Mixture: NONE SPECIFIED BY MANUFACTURER.

Route Of Entry - Inhalation: YES

Route Of Entry - Skin: YES

Route Of Entry - Ingestion: YES

Health Haz Acute And Chronic: ACUTE: LOW ACUTE ORAL & MOD DERMAL TOXICITY. CORR TO EYES. SLIGHTLY TOX WHEN INHALED. INHAL: BURNING PAIN IN NOSE & THROAT. EYES: PAIN, REDNESS & TEARING. SKIN: ITCHING &/BURNING. SKIN ABSORPTION: EXCESS EXPOS MAY CAUSE HEMOLYSIS, THEREBY IMPAIRING BLOOD'S ABILITY TO TRANSPORT OXYGEN. (EFFECTS OF OVEREXPOSURE)

Carcinogenicity - NTP: NO

Carcinogenicity - IARC: NO

Carcinogenicity - OSHA: NO

Explanation Carcinogenicity: NOT RELEVANT.

Signs/Symptoms Of Overexp: CHRONIC: SLIGHTLY TOX W/RPTD INHAL/INGEST. ANIMAL STUDIES CLEARLY DEMONSTRATED DOSE-RELATED ADVERSE EFTS ON CNS, HEMATOPOIETIC TISS, BLOOD, KIDNEYS & LIVER, ASSOC W/ADMIN OF ETHYLENE GLYCOL MONOBUTYL ETHER (EGBE) (EXTRACTED FROM DHHS (NIOSH) PUBLICATION # 90-118) (FP N).

Med Cond Aggravated By Exp: NONE KNOWN.

Emergency/First Aid Proc: EYES: FLUSH WITH WATER FOR AT LEAST 15 MINUTES.

SEE AN OPHTHALMOLOGIST. SKIN: THOROUGHLY WASH WITH SOAP AND WATER. IF IRRITATION OCCURS AND PERSISTS, SEE MD. INHALATION: REMOVE TO FRESH AIR. IF DISCOMFORT OCCURS, CALL MD. INGESTION: DO NOT INDUCE VOMITING. RINSE MOUTH WITH WATER. SEE MD IMMEDIATELY.

Report for NIIN: 00N068795

=====

Precautions for Safe Handling and Use

=====

Steps If Matl Released/Spill: DIKE AND SALVAGE OR NEUTRALIZE.

Neutralizing Agent: SODA ASH AND LIME ARE NEUTRALIZING AGENTS.

Waste Disposal Method: IF MATERIAL CAN NOT BE SALVAGED, A METHOD IS NEUTRALIZATION FOLLOWED BY DISCHARGE INTO A TREATMENT SYSTEM IN ACCORDANCE WITH ALL LOCAL, STATE, FEDERAL REGULATIONS.

Precautions-Handling/Storing: KEEP CONTAINERS CLOSED WHEN NOT IN USE.

Other Precautions: KEEP OUT OF REACH OF CHILDREN.

=====

Control Measures

=====

Respiratory Protection: FOR SEVERE MIST USE NIOSH/MSHA APPROVED ACID GAS RESPIRATOR WITH FULL FACE PIECE.

Ventilation: LOCAL EXHAUST IS REQUIRED IN CASE OF MIST CONDITIONS.

Protective Gloves: RUBBER, NEOPRENE RECOMMENDED.

Eye Protection: ANSI APPRVD CHEM WORKERS GOGGS (FP N).

Other Protective Equipment: ANSI APPRVD EMER EYEWASH & DELUGE SHOWER (FP N). WHERE CONT LIKELY, RUBBER APRON & BOOTS RECOMMENDED.

Work Hygienic Practices: WASH THOROUGHLY AFTER HANDLING.

Suppl. Safety & Health Data: NONE SPECIFIED BY MANUFACTURER.

=====

Transportation Data

=====

Transportation Action Code:
 Transportation Focal Point:
 Trans Data Review Date:
 DOT PSN Code:
 DOT Symbol:
 DOT Proper Shipping Name:
 DOT Class:
 DOT ID Number:
 DOT Pack Group:
 DOT Label:
 DOT/DoD Exemption Number:
 IMO PSN Code:
 IMO Proper Shipping Name:
 IMO Regulations Page Number:
 IMO UN Number:
 IMO UN Class:
 IMO Subsidiary Risk Label:
 IATA PSN Code:
 IATA UN ID Number:
 IATA Proper Shipping Name:
 IATA UN Class:
 IATA Subsidiary Risk Class:
 IATA Label:
 AFI PSN Code:
 AFI Symbols:
 AFI Prop. Shipping Name:
 AFI Class:
 AFI ID Number:

Report for NIIN: 00N068795

AFI Pack Group:
 AFI Label:
 AFI Special Prov:
 AFI Basic Pac Ref:
 MMAC Code:
 N.O.S. Shipping Name:
 Additional Trans Data:

=====

Disposal Data

=====

Disposal Data Action Code:
 Disposal Data Focal Point:
 Disposal Data Review Date:
 Rec # For This Disp Entry:
 Tot Disp Entries Per NSN:
 Landfill Ban Item:
 Disposal Supplemental Data:
 1st EPA Haz Wst Code New:
 1st EPA Haz Wst Name New:
 1st EPA Haz Wst Char New:
 1st EPA Acute Hazard New:
 2nd EPA Haz Wst Code New:
 2nd EPA Haz Wst Name New:
 2nd EPA Haz Wst Char New:
 2nd EPA Acute Hazard New:
 3rd EPA Haz Wst Code New:

3rd EPA Haz Wst Name New:
 3rd EPA Haz Wst Char New:
 3rd EPA Acute Hazard New:

=====

Label Data

=====

Label Required: YES
 Technical Review Date:
 Label Date:
 MFR Label Number:
 Label Status: G
 Common Name: NARCO 938 RUST REMOVER
 Chronic Hazard: N/P
 Signal Word:
 Acute Health Hazard-None:
 Acute Health Hazard-Slight:
 Acute Health Hazard-Moderate:
 Acute Health Hazard-Severe:
 Contact Hazard-None:
 Contact Hazard-Slight:
 Contact Hazard-Moderate:
 Contact Hazard-Severe:
 Fire Hazard-None:
 Fire Hazard-Slight:
 Fire Hazard-Moderate:
 Fire Hazard-Severe:
 Reactivity Hazard-None:

Report for NIIN: 00N068795

Reactivity Hazard-Slight:
 Reactivity Hazard-Moderate:
 Reactivity Hazard-Severe:
 Special Hazard Precautions: ACUTE: LOW ACUTE ORAL & MOD DERMAL TOXICITY.
 CORR TO EYES. SLIGHTLY TOX WHEN INHALED. INHAL: BURNING PAIN IN NOSE &
 THROAT. EYES: PAIN, REDNESS & TEARING. SKIN: ITCHING &/BURNING. SKIN
 ABSORPTION: EXCESS EXPOS MAY CAUSE HEMOLYSIS, THEREBY IMPAIRING BLOOD'S
 ABILITY TO TRANSPORT OXYGEN. (EFFECTS OF OVEREXPOSURE) CHRONIC: SLIGHTLY
 TOX W/RPTD INHAL/INGEST. ANIMAL STUDIES CLEARLY DEMONSTRATED DOSE- RELATED
 ADVERSE EFTS ON CNS, HEMATOPOIETIC TISS, BLOOD, KIDNEYS & LIVER, ASSOC
 W/ADMIN OF ETHYLENE GLYCOL MONOBUTYL ETHER (EGBE) (EXTRACTED FROM DHHS
 (NIOSH) PUBLICATION # 90-118) (FP N).
 Protect Eye:
 Protect Skin:
 Protect Respiratory:
 Label Name: NAR ENTERPRISES INC
 Label Street: 5006 85TH AVE EAST F-9
 Label P.O. Box:
 Label City: PUYALLUP
 Label State: WA
 Label Zip Code: 98371
 Label Country: US
 Label Emergency Number: 206-922-1775; 206-838-3980
 Year Procured:



MATERIAL SAFETY DATA SHEET

1. CHEMICAL PRODUCT & COMPANY IDENTIFICATION

Product name Never-Seez Marine Grade
Product name(s) covered V146301 - NEV-SZ MARINE GRADE NM-160
V146307 - NEV-SZ MARINE GRADE 7.5GR PI
V146308 - NEV-SZ MARINE GRADE NM-8
V146316 - NEV-SZ MARINE GRADE NMBT-16
V146342 - NEV-SZ MARINE GRADE NM-42B
V146354 - NEV-SZ MARINE GRADE NM-425B
V146380 - NEV-SZ MARINE GRADE NMBT-8
MSDS name Never-Seez Marine Grade
CAS number Mixture
Generic description Miscellaneous
Manufacturer Bostik, Inc.
211 Boston Street
Middleton , MA 01949 USA
24 hour emergency assistance Telephone: 1-800-227-0332
General assistance Telephone: 1-978-777-0100
MSDS assistance Telephone: 1-414-607-1407

2. COMPOSITION / INFORMATION ON INGREDIENTS

Component(s)	CAS #	Percent
Copper Powder	7440-50-8	7 - 13
Aluminum	7429-90-5	1 - 5

3. HAZARDS IDENTIFICATION

Emergency overview Extended contact with this material may cause irritation to the skin, eyes, and mucous membranes. Primary Routes of Exposure: eyes, skin, and inhalation. Irritating fumes and gases may be released upon thermal processing or during combustion.

Potential health effects

Skin SKIN CONTACT: This product may cause irritation to the skin. Prolonged and/or repeated skin contact with this product may cause irritation/dermatitis.

Eyes EYE CONTACT: This product may cause irritation to the eyes.

Inhalation INHALATION: Fumes released during thermal processing may irritate respiratory system, skin and eyes.

Ingestion INGESTION: Ingestion may cause gastrointestinal tract discomfort or damage.

Target organs Skin.

4. FIRST AID MEASURES

First aid

Skin For minor exposures, wash thoroughly with soap and clean water. In situations involving considerable skin contact, place the contaminated person in a deluge shower for at least 15 minutes. Remove contaminated clothing to prevent further skin exposure and dispose of properly. Get medical attention if irritation persists.

Eye Immediately flush eyes with water for at least 15 minutes, while holding eyelids open. Seek medical attention at once.

Inhalation Move person to non-contaminated air. If the affected person is not breathing, apply artificial respiration. Seek medical attention.

Ingestion Do not induce vomiting. If person is conscious and can swallow, immediately give two glasses of water. Seek immediate medical attention. Do not give anything by mouth to an unconscious or convulsing person.

Notes to physician Treat symptomatically and supportively. Contact Bostik to determine whether any additional information is available.

Medical conditions aggravated by exposure Dermatitis.

5. FIRE FIGHTING MEASURES

Extinguishing media	Use dry chemical, carbon dioxide, or foam. Water spray (fog).
Dust explosion hazard	None Known
Sensitivity to mechanical impact	None Known
Sensitivity to static discharge	None Known
Unusual fire & explosion hazards	Product may burn and produce toxic gases in a fire.
Fire fighting equipment/instructions	Firefighters should wear full protective clothing including self contained breathing apparatus.
Flash point	> 482 °F (> 250 °C)

6. ACCIDENTAL RELEASE MEASURES

Emergency action	Appropriate safety measures and protective equipment should be used. See Section 8. Do not discharge to lakes, streams, ponds, or sewers. Dispose of in compliance with local, state, and federal regulations.
Spill or leak procedure	Scrape up grease and deposit into appropriate containers for disposal.

7. HANDLING & STORAGE

Storage	Store in a clean, dry area. Keep containers closed.
Empty container precaution	Attention! Follow label warnings even after container is emptied since empty containers may retain product residues. Do not reuse empty container without professional cleaning for food, clothing, or products for human or animal consumption, or where skin contact can occur.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering controls	Ventilation is not normally required.
Eye protection	Wear safety glasses with side shields.
Skin and body protection	Wear protective impervious gloves to minimize skin exposure. Work clothing sufficient to prevent all skin contact should be worn, such as coveralls and long sleeves.
Respiratory protection	Not normally needed.
Exposure limits	

ACGIH - Threshold Limits Values - Time Weighted Averages (TLV-TWA)

Aluminum	7429-90-5	<u>10 mg/m3 TWA (metal dust)</u>
Copper Powder	7440-50-8	<u>0.2 mg/m3 TWA (fume); 1 mg/m3 TWA (dusts and mists, as Cu)</u>

OSHA - Vacated PELs - TWAs

Aluminum	7429-90-5	<u>15 mg/m3 TWA (total dust); 5 mg/m3 TWA (respirable fraction)</u>
Copper Powder	7440-50-8	<u>0.1 mg/m3 TWA (fume, dusts, mists as Cu)</u>

9. PHYSICAL & CHEMICAL PROPERTIES

Solubility (H2O)	< 0.1
Target solids	100 %
Density	1.28 g/cc
Odor threshold	NA
Octanol/H2O coeff	NA
Odor	Greaselike
Physical state	Paste
Freeze protect	No
VOC (Volatile Organic Compounds)	0 g/l

10. STABILITY & REACTIVITY

Hazardous reactions/decomposition products	If product is burned hazardous gases such as oxides of carbon and nitrogen and various hydrocarbons may be produced.
Hazardous polymerization	Will not occur.
Conditions to avoid	Avoid contact with Strong Oxidizers and Strong Acids.
Stability	Stable under normal conditions.

11. TOXICOLOGICAL INFORMATION

Chronic effects	Chronic overexposure to the hazardous materials in this product has been associated with dermatitis.
------------------------	--

12. ECOLOGICAL INFORMATION

VOC (Volatile Organic Compounds)	0 g/l
Ecotoxicological information	No data available for this product.

13. DISPOSAL CONSIDERATIONS

We make no guarantee or warranty of any kind that the use or disposal of this product complies with all local, state, or federal laws. It is also the obligation of each user of the product mentioned herein to determine and comply with the requirements of all applicable statutes.

Waste disposal	Dispose of waste material according to Local, State, Federal, and Provincial Environmental Regulations.
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14. TRANSPORT INFORMATION

DOT

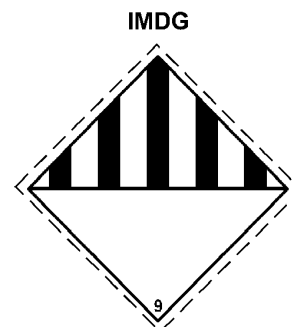
This product is not regulated for transport.

IATA

This product is not regulated for transport.

IMDG

Proper shipping name	Environmentally Hazardous Substance, Liquid, N.O.S.
Hazard class	(Contains copper metal powder)
UN number	9
Packaging group	UN3082
	III



15. REGULATORY INFORMATION

This MSDS is prepared and distributed pursuant to the Federal Hazard Communication Standard, 29 CFR 1910.1200.

Federal regulations All components are on the U.S. EPA TSCA Inventory List.

CERCLA/SARA - Hazardous Substances and their Reportable Quantities

Copper Powder	7440-50-8	<u>5000 lb final RQ (no reporting of releases of this hazardous substance is required if the diameter of the pieces of the solid metal released is equal to or exceeds 0.004 inches); 2270 kg final RQ (no reporting of releases of this hazardous substance is required if the diameter of the pieces of the solid metal released is equal to or exceeds 0.004 inches)</u>
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CERCLA/SARA - Section 313 - Emission Reporting

Aluminum	7429-90-5	<u>1.0 % de minimis concentration (fume or dust only)</u>
Copper Powder	7440-50-8	<u>1.0 % de minimis concentration</u>

State regulations If this product contains any ingredients listed under California Proposition 65, they will be noted below:

International regulations	All components are included on the Canadian Domestic Substances List (DSL).
	This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and contains all the information required by the Controlled Products Regulations.
HMIS Ratings	Health: 1 Flammability: 1 Physical hazard: 0 Personal protection: X
SARA 311/312 HAZARD CATEGORIES	Immediate Hazard - No Delayed Hazard - Yes Fire Hazard - No Pressure Hazard - No Reactivity Hazard - No
WHMIS status	Controlled
WHMIS labeling	



WHMIS classification	D2A - Other Toxic Effects-VERY TOXIC D2B - Other Toxic Effects-TOXIC
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16. OTHER INFORMATION

Disclaimer	The data in this MSDS has been compiled from publicly available sources. This data relates only to the designated product and not to the use of said product in combination with other materials. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards which exist. Responsibility for proper precautions and safe use of the product lies with the user. All data in this MSDS is typical of the product as a whole, and does not represent any individual lot or batch, therefore, Bostik, Inc. makes no warranty about the accuracy of the data herein and assumes no liability for the use of such data. It is the responsibility of the user to comply with all applicable federal, state, and local laws and regulations.
Issue date	05/16/2005
Prepared by	Michael Simon
Supersedes	05/16/2005
MSDS sections updated	Disposal Considerations: Waste Disposal

Farwest Paint Manufacturing Co.
4522 South 133rd Street
Tukwila, Washington, 98168
<http://www.farwestpaintmfg.com>

Material Safety Data Sheet
For Coatings and Related Materials
Prep: Sept. 1991 Update: July 1999

Sections I-IV (This Page) / [Sections V-X \(Click Here\)](#)

Section I - Product Identification

Product Number: X-6868

Product Name: Old Sailor Copper Bottom Paint

Product Class: Cuprous Oxide Rosin Solution

24 Hour Emergency Assistance

Emergency (Chemtrec) (800) 424-9300

Information (Farwest) (206) 244-8844

<i>Hazard Rating</i>		<i>This Product</i>
0	Lowest	Health: 2
1		Flammability: 3
2		Reactivity: 0
3		Personal Protection: G
4	Extreme	

Section II - Hazardous Ingredients

<i>Ingredient</i>	<i>CAS Number</i>	<i>Percent (By Weight)</i>	<i>Occupational Exposure</i>	
			<i>TLV (ACGIH)</i>	<i>PEL (OSHA)</i>
Toluene	108-88-3	11.4%	100ppm	200ppm
Mineral Spirits	8032-32-4	6.4%	100ppm	100ppm
Copper Oxide	1317-39-1	17.6%	1.0mg/m3	N/A

"Pursuant to Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA) and 40 CFR Part 372, this product contains or may contain a toxic chemical in a quantity subject to the reporting requirements under Section 313"

Section III - Physical Data

Boiling Range: 230-390 F.

Weight/Gallon: 13.7 lbs.

Vapor Pressure: 38mmHg@20C

Vapor Density:

Heavier than Air: XX

Lighter than Air:

Evaporation Rate:

Faster than Ether:

Slower than Ether: XX

Percent Volatile by Volume: 35.0%

Solubility in Water: NIL

VOC: 359 Grams/Liter (Less Water)

Reactivity in Water: NIL

Appearance & Odor: Red viscous liquid with aromatic odor.

Section IV - Fire and Explosion Hazard Data

Flammability Classification:

OSHA: Flammable

Flash Point: 45 F. TCC

Class: 3

LEL: 0.7%

DOT: Flammable

UN Number: 1263

Extinguishing Media: Foam, CO2, Dry Chemical, or Water Fog.

Use the above or any Class B extinguishing agent. Water may be unsuitable as an extinguishing medium, but helpful in keeping adjacent containers cool.

Special Firefighting Procedures: Firefighters and others exposed to vapors or products of combustion should wear self-contained breathing apparatus. Evacuate area of unprotected personnel. Wear protective clothing.

Unusual Fire and Explosion Hazards: Vapors may form an explosive mixture in air and may be ignited by sparks, pilot lights, etc. Closed containers may rupture when exposed to extreme heat.

Material Safety Data Sheet

OSPHO METAL TREATMENT

QUICK IDENTIFIER

Common Name (used on label and list)

May be used to comply with OSHA's Hazard Communication Standard,
29CFR 1910.1200 Standard must be consulted for specific requirements

SECTION 1 -

Manufacturer's Name	THE SKYBRYTE COMPANY			Emergency Telephone No	800-424-9300 (CHEMTREC)
Address	3125 PERKINS AVENUE			Other Information Calls	703-527-3887 (CHEMTREC DIRECT) 216-771-1590 (SKYCO)
City, State, and ZIP	CLEVELAND, OHIO 44114			Date Prepared	MARCH 26, 2007
Signature of Person Responsible for Preparation (Optional)	S. L. PITCHER				

SECTION 2 - HAZARDOUS INGREDIENTS/IDENTITY

Hazardous Component(s) (chemical & common name(s))	OSHA PEL	ACGIH TLV	Other Exposure Limits	% (optional)	CAS NO
PHOSPHORIC ACID SOLUTION (75%)	1 mg/m ³	1 mg/m ³	3 mg/m ³ STEL	45.0%	7664-38-2

Section 313 Supplier Notification: This product contains the following toxic chemicals subject to the requirements of section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 (40 CFR 372) :

VOC = 0%

CHEMICAL NAME:	% BY WIEGHT	DOT Hazard: Class 8
PHOSPHORIC ACID SOLUTION (75%)	CAS# 7664-38-2 45.0%	UN# 1805 PG III

All ingredients of this product are listed in compliance with Section 15 of the Toxic Substance Control Act (T.S.C.A.)

This information should be included in all MSDS sheets that are distributed.

SECTION 3 - PHYSICAL & CHEMICAL CHARACTERISTICS

Boiling Point	240F	Specific Gravity (H ₂ O=1)	1.22+/- .04	Vapor Pressure (mm Hg)	UNK
		Vapor Density (Air = 1)	N/A		
Solubility in Water	100%	pH < 2 (strong acid)	Reactivity in Water	NONE	
Appearance and Odor	GREEN LIQUID WITH TYPICAL ACIDIC ODOR		Melting Point	N/A	

SECTION 4 - FIRE & EXPLOSION DATA

Flash Point	N/A	Method Used	NON-FLAMMABLE	Flammable Limits in Air % by Volume	LEL Lower	N/A	UEL Upper	N/A
Auto-Ignition Temperature	N/A	Extinguisher Media	N/A					
Special Fire Fighting Procedures	N/A							

Unusual Fire and Explosion Hazards MAY DECOMPOSE TO RELEASE OXYGEN AROUND 400C (750F). WILL PRODUCE IRRITATING PHOSPHORIC OXIDE FUMES UNDER FIRE CONDITIONS.

SECTION 5 - PHYSICAL HAZARDS (REACTIVITY DATA)Stability Unstable ☐ Conditions
Stable ☒ to Avoid

AVOID CONTACT WITH STRONG ALKALIES

Incompatibility
(Materials to Avoid)

REACTION WITH METALS WILL LIBERATE HYDROGEN GAS. (EXTREMELY FLAMMABLE!)

Hazardous
Decomposition Products

PHOSPHORIC ACID FUMES. (STRONG IRRITANT)

Hazardous May Occur ☐ Conditions
Polymerization Will Not Occur ☒ to Avoid

AVOID CONTACT WITH STRONG ALKALIES. (WILL PRODUCE

VIOLENT ACID/BASE NEUTRALIZATION REACTION.)

SECTION 6 - HEALTH HAZARDS

1 Acute

2 Chronic

STRONG IRRITANT - SLIGHTLY TOXIC SLIGHTLY TOXIC - CAUSES BURNS TO EXPOSED TISSUE

Signs and
Symptoms of Exposure

LIQUID IS CORROSIVE TO EYES AND SKIN, MIST PRODUCES IRRITATION TO EYES,

THROAT, AND LUNGS.

Medical Conditions Generally
Aggravated by Exposure

EMPHYSEMA, ASTHMA OR OTHER CONDITIONS RESULTING IN DECREASED

RESPIRATORY FUNCTION.

Chemical Listed as Carcinogen
or Potential CarcinogenNational Toxicology
ProgramYes
No ☒IARC
MonographsYes
No ☒OSHA Yes ☐
No ☒Emergency and
First Aid Procedures

CALL A PHYSICIAN IMMEDIATELY, INGESTION - GIVE LARGE QUANTITIES OF WATER.

" DO NOT INDUCE VOMITING"

SKIN AND EYES - FLUSH WITH WATER

ROUTES
OF
ENTRY

1 Inhalation

YES

2 Eyes

YES

3 Skin

YES

4 Ingestion

PRIMARY HAZARD

SECTION 7 - SPECIAL PRECAUTIONS AND SPILL/LEAK PROCEDURESPrecautions to be Taken
in Handling and Storage

USE GOGGLES AND/OR FACE SHIELDS, RUBBER APRONS, GLOVES AND BOOTS WHERE

SPLASHING OR LIQUID CONTACT MAY BE EXPECTED.

Other
Precautions

AIRBORNE MIST - USE NIOSH/MSHA ACID GAS RESPIRATOR WITH FULL FACE PIECE.

KEEP STORED IN SUITABLE CONTAINER.

Steps to be Taken in Case
Material is Released or Spilled

WEAR SUITABLE PROTECTIVE CLOTHING. EYE PROTECTION, AND RESPIRATOR.

NEUTRALIZE WITH SODA ASH AND FLUSH THE AREA WITH LARGE AMOUNTS OF WATER.

Waste Disposal

Methods (Consult federal, state, and local regulations)

NEUTRALIZE WITH SODA ASH OR LIME AND DISCHARGE INTO A

TREATMENT SYSTEM IN ACCORDANCE WITH LOCAL REGULATIONS.

SECTION 8 - SPECIAL PROTECTION INFORMATION/CONTROL MEASURESRespiratory Protection
(Specify Type)

NIOSH/MSHA ACID GAS WITH FULL FACE PIECE.

Ventilation

Local
ExhaustADEQUATE TO
MEET PELMechanical
(General)

N/A

Special

N/A

Other

N/A

Protective
Gloves

ACID RESISTANT

Eye
Protection

CHEMICAL GOGGLES

Other Protective
Clothing or Equipment

RUBBER APRON AND BOOTS AS NECESSARY.

Work/Hygienic Practices

STORE AND HANDLE AS STRONG ACID. WASH BEFORE EATING OR DRINKING.

IMPORTANT

Do not leave any blank spaces. If required information is unavailable, unknown, or does not apply, so indicate.

Confidential Business Information

BRIXINHOUSE001557

[Click here to go back to MSDS](#)



Barnes Distribution

**1301 E. 9th Street, #700
Cleveland OH 44114
(800) 726-9626**



Material Safety Data Sheet

MSDS Form No. : MSDS8889474

Item No. : C87370, C8889474

**** MATERIAL SAFETY DATA SHEET ****

PERMATEX(R) BLACK SILICONE ADHESIVE SEALANT

Part # MSDS8889474

**** SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION ****

MSDS Name: PERMATEX(R) BLACK SILICONE ADHESIVE SEALANT

Product CAS: (none)

Product Code:

Synonyms: 87370; 8889474; C87370; C8889474; PERMATEX(R) BLACK SILICONE ADHESIVE SEALANT

Company Identification:

Name: LOCTITE CORPORATION

Address: 4450 CRANWOOD PKY.

Address:

City: CLEVELAND State: OH Zip: 44128

For information, call: (203) 571-5100

Emergency Number:

Emergency Agency:

Number:

MSDS Creation Date: 1/2/2006

Supersedes Date: 1/1/2003

Miscellaneous:

PRODUCT/TRADE NAME(S): 8889474

CAS #: N/A

CHEMICAL NAME: N/A

BRIEF DESCRIPTION: PRODUCT TYPE: RTV SILICONE.

**** SECTION 2 - COMPOSITION, INFORMATION ON INGREDIENTS ****

Chemical Name	CAS	MIN	MAX
ACETIC ACID	64-19-7	5	5
CARBON BLACK	1333-86-4	1	1
ETHYLTRIACETOXYSILANE	17689-77-9	5	5
METHYLTRIACETOXYSILANE	4253-34-3	5	5
POLY (DIMETHYLSILOXANE), DIMETHYL	63148-62-9	90	90
SILICA, AMORPHOUS TREATED	112945-52-5	10	10

Miscellaneous:

COMPOSITION:

ACETIC ACID - WHEN THIS PRODUCT IS EXPOSURE TO MOISTURE, 3-5% ACETIC ACID MAY BE FORMED.

TOXICITY:

EYE AND SKIN IRRITANT. ORAL LD50 MORE THAN 10,000 MG/KG

EXPOSURE LIMITS (TWA):

INGREDIENT	ACGIH TLV	OSHA PEL	OTHER
SILICA, AMORPHOUS TREATED	10 MG/M3 TWA	6 MG/M3 TWA	NONE
CARBON BLACK	3.5 MG/M3 TWA	3.5 MG/M3 TWA	5 PPM
ACETIC ACID	10 PPM TWA	10 PPM TWA	NONE
	25 MG/M3	25 MG/M3	

EXPOSURE LIMITS (STEL):

INGREDIENT	ACGIH TLV	OSHA PEL
ACETIC ACID	15 PPM	NONE
37 MG/M3		

INGREDIENTS FOR WHICH NO EXPOSURE LIMITS HAVE BEEN ESTABLISHED ARE NOT LISTED ABOVE.

Lbs of VOC per Gallon Coating (minus water): 0.40125

Coating Density (lbs/gal): 0

Solvent Density (lbs/gal): 0

Percent Solvent (volume): 0

Percent Solids (volume): 0

Percent Water (volume): 0

**** SECTION 3 - HAZARDS IDENTIFICATION ****

NFPA: Health: 2 Fire: 1 Reactivity: 1 Other:

HMIS: Health: 2 Fire: 1 Reactivity: 1 Special Protection:

POTENTIAL HEALTH EFFECTS

Target Organs:

Eye:

SIGNS AND SYMPTOMS: ACETIC ACID PRODUCED DURING CURE IRRITATES EYES. EXISTING

CONDITIONS

AGGRAVATED BY EXPOSURE: METHYLTRiacETOXYSILANE: EYE DISORDERS.

Skin:

EXISTING CONDITIONS AGGRAVATED BY EXPOSURE: METHYLTRiacETOXYSILANE: SKIN DISORDERS.

Ingestion:

Inhalation:

SIGNS AND SYMPTOMS: ACETIC ACID PRODUCED DURING CURE IRRITATES NOSE AND THROAT. EXISTING

CONDITIONS AGGRAVATED BY EXPOSURE: CARBON BLACK - RESPIRATORY DISORDERS. METHYLTRiacETOXYSILANE - PULMONARY DISORDERS.

Miscellaneous:

**** SECTION 4 - FIRST AID MEASURES ****

Eye:

FLUSH AT LEAST 15 MINUTES WITH WATER. OBTAIN MEDICAL ATTENTION.

Skin:

WIPE OFF PASTE WITH PAPER TOWEL OR CLOTH. WASH EXPOSED AREA WITH SOAP AND WATER. FLUSH AT LEAST 15 MINUTES WITH WATER. OBTAIN MEDICAL ATTENTION.

Ingestion:

DO NOT INDUCE VOMITING. KEEP INDIVIDUAL CALM. OBTAIN MEDICAL ATTENTION.

Inhalation:

REMOVE TO FRESH AIR. TREAT SYMPTOMATICALLY.

Notes to Physician:

**** SECTION 5 - FIRE FIGHTING MEASURES ****

Unusual Fire and Explosion Hazards:

NONE. COMPRESSED GASES: NONE. PRESSURE AT ROOM TEMP: DOES NOT APPLY.

Special Fire Fighting Procedures:

ACETIC ACID, FORMALDEHYDE, SILICA FUME.

Extinguishing Media:

CARBON DIOXIDE, FOAM, DRY CHEMICAL.

Flash Point:

MORE THAN 200 F. METHOD: TAG CLOSED CUP

Flammable Limits:

Lower Limit:

(LEL): ACETIC ACID 4%

Upper Limit:

(UEL): ACETIC ACID: 19.9% AT 200 F

AutoIgnition Temperature:

N.A.

General Information:

FLAMMABLE LIMITS: NO DATA

**** SECTION 6 - ACCIDENTAL RELEASE MEASURES ****

Disposal:

CURED RUBBER CAN BE INCINERATED. FOLLOW EPA LOCAL REGULATIONS.

Spills/Leaks:

WIPE OR SCRAPE UP SPILLED MATERIAL. MAINTAIN GOOD VENTILATION FOR LARGE SPILLS.

PLACE SCRAP

MATERIAL IN A WELL VENTILATED PLACE AND ALLOW TO CURE TO RUBBER.

**** SECTION 7 - HANDLING and STORAGE ****

Handling:

Storage:

STORE IN A DRY AREA BELOW 90 F. KEEP CONTAINER CLOSED WHEN NOT IN USE. (CONTACT LOCTITE

CUSTOMER SERVICE 1-800-243-4874 FOR SHELF LIFE INFORMATION). HANDLING: AVOID EYE OR SKIN

CONTACT. AVOID BREATHING VAPOR.

**** SECTION 8 - EXPOSURE CONTROLS, PERSONAL PROTECTION ****

Engineering Controls:

LOCAL EXHAUST: PROVIDE LOCAL VENTILATION FOR PROLONGED USE IN CONFINED AREA.

Eyes:

SAFETY GLASSES OR GOGGLES.

Skin:

PROTECTIVE GLOVES: RUBBER OR PLASTIC GLOVES.

Clothing:

Respirators:

**** SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES ****

Appearance/Odor:
BLACK PASTE; ACETIC ACID.

pH: DOES NOT APPLY
Vapor Pressure: (MM HG.): LESS THAN 5 MM AT 70 F
Vapor Density: (AIR = 1): NOT AVAILABLE
Evaporation Rate: NOT AVAILABLE
Viscosity: N.A.
Boiling Point: NOT APPLICABLE, POLYMERIC MATERIAL
Freezing/Melting Point: N.A.
Decomposition Temperature: N.A.
Solubility: IN WATER: POLYMERIZED
Specific Gravity: 1.07
Molecular Formula: N.A.
Molecular Weight: N.A.
Miscellaneous:
% VOLATILE / VOLUME: NO DATA

VOLATILE ORGANIC COMPOUND (EPA METHOD 24): 4.5%; 48.15 G/L.

**** SECTION 10 - STABILITY AND REACTIVITY ****

Chemical Stability:
YES

Conditions to Avoid:

Incompatibilities with Other Materials:
POLYMERIZED BY CONTACT WITH MOISTURE. ACETIC ACID LIBERATED.

Hazardous Decomposition Products:
NON-THERMAL: NONE

Hazardous Polymerization:
MAY OCCUR: NO

**** SECTION 11 - TOXICOLOGICAL INFORMATION ****

Toxicological Information:
LITERATURE REFERENCED

TARGET ORGAN AND OTHER HEALTH EFFECTS:

POLY(DIMETHYLSILOXANE), DIMETHYL: IRRITANT. CARCINOGEN - NO.

SILICA, AMORPHOUS TREATED: NUISANCE DUST. CARCINOGEN - NTP, OSHA - NO. IARC - N/A.

ETHYLTRIACETOXYSILANE: NO DATA. CARCINOGEN - NO.

METHYLTRIACETOXYSILANE: NO DATA. CARCINOGEN - NO.

CARBON BLACK: RESPIRATORY SYSTEM. CARCINOGEN - NTP, OSHA - NO. IARC - N/A

ACETIC ACID: CORROSIVE; EYES; GASTROINTESTINAL; IMMUNE SYSTEM; IRRITANT.
CARCINOGEN - NO.

**** SECTION 12 - ECOLOGICAL INFORMATION ****

Ecological Information:

**** SECTION 13 - OTHER PRECAUTIONS ****

Other Precautions:

Work/Hygienic Practices:

**** SECTION 14 - TRANSPORT INFORMATION ****

Transportation Information:

CATEGORY: UNRESTRICTED

SHIPPING REGULATIONS:

DOT (49 CFR 172)

DOMESTIC GROUND TRANSPORT

PROPER SHIPPING NAME: UNRESTRICTED

HAZARD CLASS OR DIVISION: UNRESTRICTED

IDENTIFICATION NUMBER: NONE

MARINE POLLUTANT: NONE

IATA

PROPER SHIPPING NAME: UNRESTRICTED

CLASS OR DIVISION: UNRESTRICTED

UN OR ID NUMBER: NONE

MATERIAL SAFETY DATA SHEET



PLEDGE - Lemon (Aerosol)

HMIS		NFPA	Personal protective equipment
Health	0	0	None / Aucune / Ninguno
Fire Hazard	4	4	
Reactivity	0	0	

Version Number: 1

Preparation date: 2006-10-17

1. PRODUCT AND COMPANY IDENTIFICATION

Product name: PLEDGE - Lemon (Aerosol)
 MSDS #: 126026-009
 Product code: 94430, 3694028
 Recommended use: Furniture care Industrial/Institutional

Manufacturer, importer, supplier:
 US Headquarters: Canadian Headquarters
 JohnsonDiversey Inc. JohnsonDiversey - Canada, Inc.
 8310 16th St 2401 Bristol Circle
 Sturtevant, Wisconsin 53177-0902 Oakville, Ontario L6H 6P1
 Phone: 1-888-352-2249 Phone: 1-800-668-3131
 MSDS Internet Address:
 www.johnsondiversey.com

Emergency telephone number: 1-800-851-7145 (Prosar); 1-651-917-6133 (Int'l Prosar); 01-800-710-3400 (México)

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

WARNING. CONTENTS UNDER PRESSURE. FLAMMABLE.

Principle routes of exposure: Eye contact Skin contact Inhalation Ingestion
 Eye contact: None known
 Skin contact: None known
 Inhalation: None known
 Ingestion: None known

3. COMPOSITION/INFORMATION ON INGREDIENTS

HAZARDOUS COMPONENTS

Ingredient(s)	CAS #	Weight %	LD50 Oral - Rat	LD50 Dermal - Rabbit	LC50 Inhalation - Rat
Butane	106-97-8	1 - 5%	Not available	Not available	=658 g/m ³ (4 h)
Propane	74-98-6	1 - 5%	Not available	Not available	Not available

4. FIRST AID MEASURES

Eye contact: Rinse with plenty of water
 Skin contact: Rinse with plenty of water
 Inhalation: No specific first aid measures are required
 Ingestion: No specific first aid measures are required
 Aggravated Medical Conditions: None known

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media: Dry chemical, water spray, foam, carbon dioxide.
 Specific hazards: Aerosol product - Containers may rocket or explode in heat of fire NFPA 30B Level 1 Aerosol
 Unusual hazards: None known
 Specific methods: Aerosol Product - Containers may rocket or explode in heat of fire Use water spray to keep fire-exposed containers cool

Special protective equipment for firefighters: As in any fire wear self-contained breathing apparatus pressure-demand MSHA/NIOSH (approved or equivalent) and full protective gear

Extinguishing media which must not be used for safety reasons: No information available

6. ACCIDENTAL RELEASE MEASURES

Personal precautions:
Environmental precautions
and clean-up methods:

Remove all sources of ignition. Ensure adequate ventilation
Soak up with oil absorbent material

7. HANDLING AND STORAGE

Handling:

CONTENTS UNDER PRESSURE Do not puncture or incinerate. Keep away from open flames, hot surfaces and sources of ignition. FOR COMMERCIAL AND INDUSTRIAL USE ONLY.

Storage:

Store in a cool, dry, well ventilated area away from heat or open flame. Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50 degrees C or 120 degrees F. Do not pierce or burn, even after use. Protect from freezing. KEEP OUT OF THE REACH OF CHILDREN

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering measures to reduce exposure:

No special ventilation requirements

Personal Protective Equipment

Eye protection:

No special requirements under normal use conditions

Hand protection:

No special requirements under normal use conditions

Skin and body protection:

No special requirements under normal use conditions

Respiratory protection:

No special requirements under normal use conditions

Hygiene measures:

Handle in accordance with good industrial hygiene and safety practice

Ingredient(s)	CAS #	ACGIH	OSHA	Mexico
Butane	106-97-8	1000 ppm (TWA)		800 ppm (TWA) 1900 mg/m ³ (TWA)
Propane	74-98-6	1000 ppm (TWA)	1000 ppm (TWA) 1800 mg/m ³ (TWA)	

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Aerosol	Bulk density:	No information available
pH:	No information available	Dilution pH:	No information available
Appearance:	Emulsion	Vapor density:	No information available
Color:	White Milky appearance	Evaporation Rate:	No information available
Odor:	Lemon	Boiling point/range:	Not determined
Specific gravity:	0.916	Melting point/range:	Not determined
Density:	7.63 lbs/gal	Decomposition temperature:	Not determined
VOC:	16.8% *	Autoignition temperature:	No information available
Flash point:	<20 (°F) <-6.67 (°C)	Partition coefficient (n-octanol/water):	No information available
Solubility:	Insoluble	Solubility in other solvents:	No information available
Viscosity:	No information available	Elemental Phosphorus:	0 %P

* - Title 17, California Code of Regulations, Division 3 Chapter 1 Subchapter 8.5 Article 2 Consumer Products Sections 94508

10. STABILITY AND REACTIVITY

Stability:	The product is stable
Polymerization:	Hazardous polymerization does not occur
Hazardous decomposition products:	None reasonably foreseeable.
Conditions to avoid:	Do not freeze. Keep away from open flames, hot surfaces and sources of ignition

11. TOXICOLOGICAL INFORMATION

Acute toxicity	Oral LD50 estimated to be greater than 5000 mg/kg
Component Information:	See Section 3
Chronic toxicity:	None known
Specific effects	
Carcinogenic effects:	None known
Mutagenic effects:	None known
Reproductive toxicity:	None known
Target organ effects:	None known

12. ECOLOGICAL INFORMATION

Environmental Information: No data available

13. DISPOSAL CONSIDERATIONS

Waste from residues / unused products:

Dispose of according to all federal, state and local applicable regulations

14. TRANSPORT INFORMATION

DOT/TDG: Please refer to the Bill of Lading/receiving documents for up to date shipping information

15. REGULATORY INFORMATION

International Inventories

All components of this product are listed on the following inventories: U S A (TSCA), Canada (DSL/NDSL)

U.S. Regulations

California Proposition 65: This product is not subject to the reporting requirements under California s Proposition 65

STATE RIGHT TO KNOW

Ingredient(s)	CAS #	MARTK:	NJRTK:	PARTK:	RIRTK:
Water	7732-18-5	-	-	-	-
Silicones	63148-62-9	-	-	-	-
Naphtha, petroleum, light alkylate	64741-66-8	-	-	-	-
Butane	106-97-8	X	X	X	X
Propane	74-98-6	X	X	X	X
Isobutane	75-28-5	X	X	X	-

CERCLA/ SARA

SARA 311/312 Hazard Categories

Immediate: N
Delayed: N
Fire: Y
Reactivity: N
Sudden Release of Pressure: Y

Canada

WHMIS hazard class: A Compressed gases B5 Flammable aerosol



Ingredient(s)	CAS #	NPRI
Butane	106-97-8	X
Propane	74-98-6	X
Isobutane	75-28-5	X

16. OTHER INFORMATION

Reason for revision: Not applicable
Prepared by: NAPRAC
Additional advice: None

Notice to Reader: This document has been prepared using data from sources considered technically reliable. It does not constitute a warranty, express or implied, as to the accuracy of the information contained within. Actual conditions of use and handling are beyond seller's control. User is responsible to evaluate all available information when using product for any particular use and to comply with all Federal, State, Provincial and Local laws and regulations.

DOD Hazardous Materials Information System
DoD 6050.5-L
AS OF July 1998

FSC: 8040
NIIN: 00N021891
Manufacturer's CAGE: 11111
Part No. Indicator: A
Part Number/Trade Name: POLYPOXY WHITE AND COLORS PART A, 4170

=====

General Information

=====

Item Name:
Company's Name: PETTIT PAINT CO INC
Company's Street: 36 PINE ST
Company's P. O. Box:
Company's City: ROCKAWAY
Company's State: NJ
Company's Country: US
Company's Zip Code: 07866
Company's Emerg Ph #: 800-548-0489
Company's Info Ph #: 201-625-3100
Distributor/Vendor # 1:
Distributor/Vendor # 1 Cage:
Distributor/Vendor # 2:
Distributor/Vendor # 2 Cage:
Distributor/Vendor # 3:
Distributor/Vendor # 3 Cage:
Distributor/Vendor # 4:
Distributor/Vendor # 4 Cage:
Safety Data Action Code:
Safety Focal Point: N
Record No. For Safety Entry: 001
Tot Safety Entries This Stk#: 001
Status: SMJ
Date MSDS Prepared: 16MAY89
Safety Data Review Date: 08NOV91
Supply Item Manager:
MSDS Preparer's Name:
Preparer's Company:
Preparer's St Or P. O. Box:
Preparer's City:
Preparer's State:
Preparer's Zip Code:
Other MSDS Number:
MSDS Serial Number: BLMNW
Specification Number:
Spec Type, Grade, Class:
Hazard Characteristic Code: F3
Unit Of Issue:
Unit Of Issue Container Qty:
Type Of Container:
Net Unit Weight:

Report for NIIN: 00N021891

NRC/State License Number:
Net Explosive Weight:
Net Propellant Weight-Ammo:
Coast Guard Ammunition Code:

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Ingredients/Identity Information

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=====
Proprietary: NO
Ingredient: XYLENES (O-,M-,P- ISOMERS) (SARA III)
Ingredient Sequence Number: 01
Percent: 8-17
Ingredient Action Code:
Ingredient Focal Point: N
NIOSH (RTECS) Number: ZE2100000
CAS Number: 1330-20-7
OSHA PEL: 100 PPM/150 STEL
ACGIH TLV: 100 PPM/150 STEL; 9192
Other Recommended Limit: N/K
-----
Proprietary: NO
Ingredient: METHYL ISOBUTYL KETONE (SARA III)
Ingredient Sequence Number: 02
Percent: 14-20
Ingredient Action Code:
Ingredient Focal Point: N
NIOSH (RTECS) Number: SA9275000
CAS Number: 108-10-1
OSHA PEL: 100 PPM/75 STEL
ACGIH TLV: 50 PPM/75 STEL; 9293
Other Recommended Limit: N/K
-----
Proprietary: NO
Ingredient: RUTILE; (TITANIUM DIOXIDE). LD50: ORL(RAT) >9500 MG/KG.
Ingredient Sequence Number: 03
Percent: 0-45
Ingredient Action Code:
Ingredient Focal Point: N
NIOSH (RTECS) Number: VM2940000
CAS Number: 1317-80-2
OSHA PEL: 15 MG/M3 TDUST
ACGIH TLV: 10 MG/M3 TDUST
Other Recommended Limit: N/K
-----
Proprietary: NO
Ingredient: CARBON BLACK
Ingredient Sequence Number: 04
Percent: 0-4
Ingredient Action Code:
Ingredient Focal Point: N
NIOSH (RTECS) Number: FF5800000
CAS Number: 1333-86-4
OSHA PEL: 3.5 MG/M3
ACGIH TLV: 3.5 MG/M3; 9192

Report for NIIN: 00N021891

Other Recommended Limit: N/K
-----
Proprietary: NO
Ingredient: CADMIUM SULFOSELENIDE. LD50: ORL(RAT) >10,000 MG/KG.
Ingredient Sequence Number: 05
Percent: 0-15
Ingredient Action Code:
Ingredient Focal Point: N
NIOSH (RTECS) Number: 1003454CS
CAS Number: 58339-34-7
OSHA PEL: NOT APPLICABLE

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ACGIH TLV: NOT APPLICABLE
Other Recommended Limit: N/K

Proprietary: NO
Ingredient: BARIUM SULFATE
Ingredient Sequence Number: 06
Percent: 0-10
Ingredient Action Code:
Ingredient Focal Point: N
NIOSH (RTECS) Number: CR0600000
CAS Number: 7727-43-7
OSHA PEL: 15 MG/M3 TDUST
ACGIH TLV: 10 MG/M3 TDUST; 9293
Other Recommended Limit: N/K

Proprietary: NO
Ingredient: CALCIUM CARBONATE (MARBLE) (LIMESTONE)
Ingredient Sequence Number: 07
Percent: 0-20
Ingredient Action Code:
Ingredient Focal Point: N
NIOSH (RTECS) Number: EV9580000
CAS Number: 1317-65-3
OSHA PEL: 15 MG/M3 TDUST
ACGIH TLV: 10 MG/M3 TDUST; 9192
Other Recommended Limit: N/K
=====

Physical/Chemical Characteristics

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Appearance And Odor: NONE SPECIFIED BY MANUFACTURER.
Boiling Point: 241F, 116C
Melting Point: N/K
Vapor Pressure (MM Hg/70 F): ING 1 & 2
Vapor Density (Air=1): HVR/AIR
Specific Gravity: N/K
Decomposition Temperature: N/K
Evaporation Rate And Ref: SLOWER THAN ETHER
Solubility In Water: N/K
Percent Volatiles By Volume: 45-50
Viscosity:
pH: N/K
Radioactivity:

Report for NIIN: 00N021891

Form (Radioactive Matl):
Magnetism (Milligauss): N/P
Corrosion Rate (IPY): N/K
Autoignition Temperature:

=====

Fire and Explosion Hazard Data

=====

Flash Point: 70.0F, 21.1C
Flash Point Method: CC
Lower Explosive Limit: 1%
Upper Explosive Limit: N/K
Extinguishing Media: CO2, DRY CHEMICAL, WATER FOG.
Special Fire Fighting Proc: WEAR NIOSH/MSHA APPROVED SCBA & FULL
PROTECTIVE EQUIPMENT (FP N).
Unusual Fire And Expl Hazrds: CONTAINERS EXPOSED TO INTENSE HEAT FROM
FIRES SHOULD BE COOLED W/WATER TO PREVENT VAPOR PRESSURE BUILDUP WHICH

COULD RESULT IN CONTAINER RUPTURE.

=====
Reactivity Data
=====

Stability: YES
Cond To Avoid (Stability): HEAT, SPARK AND OPEN FLAME.
Materials To Avoid: STRONG OXIDIZING AGENTS.
Hazardous Decomp Products: CO AND OTHER ORGANIC COMPOUNDS.
Hazardous Poly Occur: NO
Conditions To Avoid (Poly): NOT RELEVANT
=====

=====
Health Hazard Data
=====

LD50-LC50 Mixture: SEE INGREDIENTS
Route Of Entry - Inhalation: YES
Route Of Entry - Skin: YES
Route Of Entry - Ingestion: YES
Health Haz Acute And Chronic: CAN LEAD TO CENTRAL NERVOUS SYSTEM
DEPRESSION PRODUCING SUCH EFFECTS AS HEADACHE, DIZZINESS, AND LOSS OF
CONSCIOUSNESS. EYE: MAY BE IRRITATING. SKIN: CAN BE IRRITATING & CAUSE
DERMATITIS. INGEST: MAY RESULT IN VOMITING. BRTHG IN ANY VOMITUS INTO LUNGS
CAN CAUSE CHEMICAL PNEUMONITIS.
Carcinogenicity - NTP: NO
Carcinogenicity - IARC: NO
Carcinogenicity - OSHA: NO
Explanation Carcinogenicity: NOT RELEVANT
Signs/Symptoms Of Overexp: SEE HEALTH HAZARDS.
Med Cond Aggravated By Exp: NONE SPECIFIED BY MANUFACTURER.
Emergency/First Aid Proc: EYES: FLUSH W/WATER FOR A MINIMUM OF 15 MINUTES.
SKIN: WASH W/SOAP & WATER. INHAL: GIVE FRESH AIR OR OXYGEN. GIVE ARTIFICIAL
RESPIRATION IF NOT BREATHING. INGEST: DO NOT INDUCE VOMITING. KEEP HEAD
BELOW HIPS IF VOMITING OCCURS.
=====

=====
Precautions for Safe Handling and Use
=====

Steps If Matl Released/Spill: ELIMINATE ALL IGNITION SOURCES. TAKE UP W/AN
ABSORBENT MATERIAL AND PLACE IN NON-LEAKING CONTAINERS. SEAL TIGHTLY.

Report for NIIN: 00N021891

Neutralizing Agent: NONE SPECIFIED BY MANUFACTURER.
Waste Disposal Method: PLACE IN A DISPOSAL FACILITY APPROVED UNDER RCRA
REGULATIONS FOR HAZARDOUS WASTE. LABEL PROPERLY. DISPOSAL MUST BE IN
ACCORDANCE WITH FEDERAL, STATE, AND LOCAL REGULATIONS (FP N).
Precautions-Handling/Storing: KEEP CONTRS TIGHTLY CLOSED. KEEP AWAY FROM
HEAT, SPARKS, AND OPEN FLAMES. STORE AWAY FROM STRONG OXIDIZING AGENTS IN A
COOL, DRY PLACE.
Other Precautions: MINIMIZE SKIN CONTACT. WASH WITH SOAP AND WATER BEFORE
EATING, DRINKING, SMOKING OR USING TOILET FACILITIES. THIS PRODUCT CONTAINS
CHEMICALS UNDER SARA TITLE III SECTION 313.
=====

=====
Control Measures
=====

Respiratory Protection: IF EXPOSURE MAY OR DOES EXCEED OCCUPATIONAL
EXPOSURE LIMITS, USE A NIOSH/MSHA APPROVED RESPIRATOR.
Ventilation: USE PROPER VENTILATION TO KEEP VAPOR CONCENTRATION BELOW 100
PPM.
Protective Gloves: IMPERVIOUS GLOVES.
Eye Protection: CHEMICAL WORKERS GOGGLES (FP N).
Other Protective Equipment: NONE.
Work Hygienic Practices: WASH W/SOAP & WATER BEFORE EATING, DRINKING,

SMOKING OR USING TOILET FACILITIES.
 Suppl. Safety & Health Data: NONE SPECIFIED BY MANUFACTURER.

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Transportation Data

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Transportation Action Code:
 Transportation Focal Point: N
 Trans Data Review Date: 92009
 DOT PSN Code: GJJ
 DOT Symbol:
 DOT Proper Shipping Name: FLAMMABLE LIQUIDS, N.O.S.
 DOT Class: 3
 DOT ID Number: UN1993
 DOT Pack Group: II
 DOT Label: FLAMMABLE LIQUID
 DOT/DoD Exemption Number:
 IMO PSN Code: HIN
 IMO Proper Shipping Name: FLAMMABLE LIQUID, N.O.S. o
 IMO Regulations Page Number: 3230
 IMO UN Number: 1993
 IMO UN Class: 3.2
 IMO Subsidiary Risk Label: -
 IATA PSN Code: MBV
 IATA UN ID Number: 1993
 IATA Proper Shipping Name: FLAMMABLE LIQUID, N.O.S. *
 IATA UN Class: 3
 IATA Subsidiary Risk Class:
 IATA Label: FLAMMABLE LIQUID
 AFI PSN Code: MBV
 AFI Symbols:
 AFI Prop. Shipping Name: FLAMMABLE LIQUIDS, N.O.S.
 AFI Class: 3

Report for NIIN: 00N021891

AFI ID Number: UN1993
 AFI Pack Group: II
 AFI Label:
 AFI Special Prov:
 AFI Basic Pac Ref: 7-7
 MMAC Code:
 N.O.S. Shipping Name:
 Additional Trans Data:

=====

Disposal Data

=====

Disposal Data Action Code:
 Disposal Data Focal Point:
 Disposal Data Review Date:
 Rec # For This Disp Entry:
 Tot Disp Entries Per NSN:
 Landfill Ban Item:
 Disposal Supplemental Data:
 1st EPA Haz Wst Code New:
 1st EPA Haz Wst Name New:
 1st EPA Haz Wst Char New:
 1st EPA Acute Hazard New:
 2nd EPA Haz Wst Code New:
 2nd EPA Haz Wst Name New:
 2nd EPA Haz Wst Char New:
 2nd EPA Acute Hazard New:

3rd EPA Haz Wst Code New:
 3rd EPA Haz Wst Name New:
 3rd EPA Haz Wst Char New:
 3rd EPA Acute Hazard New:

=====

Label Data

=====

Label Required: YES
 Technical Review Date: 08NOV91
 Label Date: 08NOV91
 MFR Label Number:
 Label Status: G
 Common Name: POLYPOXY WHITE AND COLORS PART A, 4170
 Chronic Hazard: NO
 Signal Word: DANGER!
 Acute Health Hazard-None:
 Acute Health Hazard-Slight: X
 Acute Health Hazard-Moderate:
 Acute Health Hazard-Severe:
 Contact Hazard-None:
 Contact Hazard-Slight: X
 Contact Hazard-Moderate:
 Contact Hazard-Severe:
 Fire Hazard-None:
 Fire Hazard-Slight:
 Fire Hazard-Moderate:
 Fire Hazard-Severe: X

Report for NIIN: 00N021891

Reactivity Hazard-None: X
 Reactivity Hazard-Slight:
 Reactivity Hazard-Moderate:
 Reactivity Hazard-Severe:
 Special Hazard Precautions: HIGHLY FLAMMABLE.ACUTE: INHALATION CAN LEAD TO
 CENTRAL NERVOUS SYSTEM DEPRESSION PRODUCING SUCH EFFECTS AS HEADACHE,
 DIZZINESS, AND LOSS OF CONSCIOUSNESS. SWALLOWING MAY RESULT IN VOMITING.
 MAY CAUSE EYE IRRITATION. CAN BE IRRITATING TO SKIN AND CAUSE DERMATITIS.
 CHRONIC: NONE LISTED BY MANUFACTURER.
 Protect Eye: Y
 Protect Skin: Y
 Protect Respiratory: Y
 Label Name: PETTIT PAINT CO INC
 Label Street: 36 PINE ST
 Label P.O. Box:
 Label City: ROCKAWAY
 Label State: NJ
 Label Zip Code: 07866
 Label Country: US
 Label Emergency Number: 800-548-0489
 Year Procured:

MATERIAL SAFETY DATA SHEET

Page 1 of 2

PRODUCT NAME: PREMIUM ENAMEL SPAR FINISH
PRODUCT CODE: 2558
 Neutral Base

H M I S CODE: H 2 F 2 R 0 P 0
 OIL

SECTION I - MANUFACTURING IDENTIFICATION

MANUFACTURING'S NAME: Miller Paint Co., Inc
ADDRESS: 12812 N.E. Whitaker Way, Portland, OR 97230
NAME OF PREPARER:: Buckinger/Serra
DATE OF PREPARATION: 8/7/1997
D.O.T. CLASSIFICATION Not Applicable

EMERGENCY PHONE: (800) 424-9300
INFORMATION PHONE: (503) 255-0190

DATE REVISED: 8/28/1998
CLASS: NA **UN:** NA **PACKING GROUP:** NA

SECTION II - HAZARDOUS INGRDIENTS/SARA III INFORMATION

HAZARDOUS COMPONENTS	CAS#	OCCUPATION EXPOSURE LIMITS			VAPOR PRESSURE		Weight Percent
		OSHA TWA	ACGIH TWA	OSHA STEL	mmHg @	TEMP	
Mineral Thinner (comparable to Stoddard)	64741-41-9	100 ppm	100 ppm	None	5	77F	20 - 30
Odorless Mineral Thinner (see Stoddard Solvent)	64741-65-7	100 ppm	100 ppm	None	1.0	77F	5 - 15
Iron Oxide (d)	1309-37-1	10mg/m3	10mg/m3	None	N/A	N/A	<5
Titanium Dioxide (d)	13463-67-7	10mg/m3	10mg/m3	None	N/A	N/A	<10
Calcium Carbonate (d)	1317-65-3	10mg/m3	10mg/m3	None	N/A	N/A	5 - 20
Carbon Black (d)	1333-86-4	3.5mg/m3	3.5mg/m3	None	N/A	N/A	5

*** No toxic chemical(s) subject to the reporting requirements of section 313 of Title III and of 40 CFR 372 are present ***.

(d) Hazardous as dust when product is sanded

CARCINOGENICITY: NO **IARC MONOGRAPHS?** NO **OSHA REGULATED?** NO

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING RANGE: 248 to 310 Deg F **POUNDS PER GALLON** 9.42 **SPECIFIC GRAVITY (H2O=1)** 1.1
VAPOR DENSITY: HEAVIER THAN AIR **EVAPORATION RATE:** SLOWER THAN ETHER
SOLUBILITY IN WATER: N/A **APPEARANCE AND ODOR:** N/A

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: 104 Deg F **METHOD USED:** SETAFLASH
FLAMMABLE LIMITS IN AIR BY VOLUME - LOWER: 0.9% **UPPER:** 6.0%
EXTINGUISHING MEDIA: FOAM, ALCOHOL FOAM, CO2, DRY CHEMICAL, WATER FOG

SPECIAL FIRE FIGHTING PROCEDURES

Keep people away. Do not enter confined fire space without proper protective equipment including NIOSH approved self-contained breathing apparatus. Cool closed containers with water. Avoid spreading burning liquid with water.

UNUSUAL FIRE AND EXPLOSIVE HAZARDS

"Closed containers may explode when exposed to heat. Isolate from heat, sparks and electrical equipment. Application to hot surfaces requires special precautions. Solvent vapors can travel to an ignition source and flash. Mists may be combustible at temperature below normal flash point. During emergency conditions, decomposition of products may cause a xc health hazard."

N/A = Not Applicable

Date Printed Tuesday, February 13, 2001

SECTION V - REACTIVITY DATA

Stability: Stable

CONDITIONS TO AVOID: "Oxidizing materials, high temperatures or extreme heat."

INCOMPATIBILITY (MATERIAL TO AVOID): May react with oxidizing materials. Avoid hot surfaces, sparks and open

HAZARDOUS DECOMPOSITION OR BYPRODUCTS:

Oxides of carbon, possible low molecular weight hydrocarbons, hydrogen cyanide, toluene diisocyanate or acrolein.

HAZARDOUS POLYMERIZATION: Will not occur

SECTION VI - HEALTH HAZARD DATA

INHALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE:

Excessive inhalation of vapors or sprays can cause nasal and respiratory irritation, dizziness, incoordination, weakness, fatigue, nausea & headache. High concentration may result in central nervous system depression.

SKIN AND EYE CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE:

Skin: Prolonged or repeated exposure can cause moderate irritation, defatting and dermatitis.

Eyes: Severe irritation, redness, tearing and blurred vision.

SKIN ABSORPTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE:

"May cause irritation, drying or defatting of the skin."

INGESTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE:

"Can cause gastrointestinal irritation, nausea, vomiting and diarrhea. Aspiration of material into lungs can cause chemical pneumonitis

HEALTH HAZARDS (ACUTE AND CHRONIC) INCLUDING TARGET ORGANS::

"Chronic exposure to the hazardous materials contained in this product (see section II) may cause damage to the central nervous

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: Any respiratory or skin condition may be aggravate.

EMERGENCY AND FIRST AID PROCEDURES:

Inhalation: Remove to fresh air. Apply artificial respiration or administer oxygen if necessary. Consult physician. Splash (eyes): Flush immediately with large amounts of water for at least 15 minutes. Take to physician for treatment. Splash (eyes): Flush immediately with large amounts of water for at least 15 minutes. Take to physician for treatment. Splash (skin): Wash with soap and water.

Remove contaminated clothing. Consult physician if irritation persists. Ingestion: Keep person warm, quiet and get immediate medical attention. DO NOT induce vomiting because aspiration of material into the lungs can cause chemical pneumonitis which can be fatal.

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

"Keep unnecessary people away. Clean up spills as soon as possible. Eliminate all sources of ignition. Use non-sparking tools.

Ventilate area and wear proper protective equipment. Dike and contain spill with inert material (clay, sand, etc.)."

WASTE DISPOSAL METHOD:

Place in non-leaking containers, seal tightly and label properly for disposal. A fire or health hazard may still exist since absorbent materials will only absorb liquid; they will not absorb vapors or spray mist. Observe all federal, state and local regulations concerning disposal of hazardous waste.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:

Keep containers closed when not in use. Store and use only in well ventilated areas. Do not store or use near heat, spark open flame or oxidizers. Avoid breathing vapors or spray mist. Avoid eye or skin contact. Wash thoroughly after handling. Never transfer material to an unlabeled container.

OTHER PRECAUTIONS:

Read and observe precautions on product label and this sheet. Keep out of reach of children. Empty containers may be hazardous from residues of product and vapor and all caution of this sheet apply to them.

SECTION VIII - CONTROL MEASURES

RESPIRATORY PROTECTION:

Use self-contained breathing apparatus where vapor concentration may be above Threshold Limit Value (TLV) or for spray application. Below the TLV limits, use a NIOSH-approved vapor respirator or an air line respirator with escape bottle provisions. If exposure data is lacking, assume TLV is exceeded.

Ventilation:

Local exhaust must be sufficient to keep airborne vapor concentrations below TLV limit. Provide adequate ventilation (with explosion proof equipment) to maintain exposure below TLV.

PROTECTIVE GLOVES: Use solvent resistant gloves to prevent contact.

EYE PROTECTION: "Safety eyewear including splash guards, chemical goggles or face shields recommended (required for spray

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Remove contaminated clothing and allow solvent to evaporate before re-use.

WORK / HYGIENIC PRACTICES: "Wash hands after handling material and before eating, drinking, smoking or using the washroom."

SECTION IX - DISCLAIMER

The information contained in this Material Safety Data Sheet is based on the data available to us and is believed to be correct.

However, we assume no responsibility for any inaccuracies that may subsequently be proven. Purchaser assumes all risk in his use of the material even when recommended safety procedures are followed.

N/A = Not Applicable

Date Printed

Tuesday, February 13, 2001

MATERIAL SAFETY DATA SHEET

PREMIUM PAINT & EPOXY REMOVER

Page: 1

PRODUCT NAME: PREMIUM PAINT & EPOXY REMOVER
PRODUCT CODE: 0200-0205

HMIS CODES: H F R P
2* 1 0 C

SECTION I - MANUFACTURER IDENTIFICATION

MANUFACTURER'S NAME : JASCO Chemical Corp.
ADDRESS : 1008 N. Fuller St.
Santa Ana, CA. 92701

EMERGENCY PHONE : 800-424-9300
INFORMATION PHONE : (714)547-6951
DATE PRINTED : 11/02
NAME OF PREPARER : RE

SECTION II - HAZARDOUS INGREDIENTS/SARA III INFORMATION

REPORTABLE COMPONENTS	CAS NUMBER	VAPOR PRESSURE		WEIGHT
		mm Hg @ TEMP		PERCENT
METHYLENE CHLORIDE; DICHLOROMETHANE OSHA PEL: 25 PPM, ACGIH TLV: 25 PPM, OTHER: 25PPM IARC	75-09-2	350	68	82.38
METHYL ALCOHOL; CARBINOL; COLONIAL SPIRIT OSHA PEL: 200 PPM, ACGIH TLV: 200 PPM, OTHER: POISONOUS	67-56-1	97.68	68	10
ALIPHATIC PETROLEUM DISTILLATES OSHA PEL: 400 PPM, ACGIH TLV: 100 PPM, OTHER: N/A	64742-96-7	2	68	0

*** No toxic chemical(s) subject to the reporting requirements of section 313 of Title III of 40 CFR 372 are present. ***

WARNING : THIS PRODUCT CONTAINS A CHEMICAL(S) KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER.

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING RANGE: 104 DEG. F
VAPOR DENSITY: HEAVIER THAN AIR
COATING V.O.C.: 661.2 g/L
SOLUBILITY IN WATER: 2%
APPEARANCE AND ODOR: VISCOUS LIQUID, WATER-WHITE TO AMBER; PUNGENT ODOR.
SPECIFIC GRAVITY (H2O=1) : 1.19
EVAPORATION RATE: SLOWER THAN ETHER

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: NONE
FLAMMABLE LIMITS IN AIR BY VOLUME- LOWER: 1
METHOD USED: N/A
UPPER: 36

EXTINGUISHING MEDIA: WATER FOG

SPECIAL FIREFIGHTING PROCEDURES

FIREFIGHTERS SHOULD WEAR SELF-CONTAINED BREATHING APPARATUS AND PROTECTIVE CLOTHING WHEN FIGHTING FIRES.

UNUSUAL FIRE AND EXPLOSION HAZARDS

FORMS FLAMMABLE VAPOR-AIR MIXTURES AT TEMPERATURES ABOVE AMBIENT. LOWER TEMPERATURES-LOWER IGNITABILITY.

SECTION V - REACTIVITY DATA

STABILITY: STABLE
CONDITIONS TO AVOID

HYDROLYSIS PRODUCING SMALL AMOUNTS OF HYDROCHLORIC ACID POSSIBLE WITH GROSS WATER CONTAMINATION.

INCOMPATIBILITY (MATERIALS TO AVOID)

ALUMINUM, POSSIBLY SODIUM, POTASSIUM AND MAGNESIUM.

HAZARDOUS DECOMPOSITION OR BYPRODUCTS

HEAT CAUSES THERMAL DEGRADATION WITH EVOLUTION OF HYDROCHLORIC ACID.

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

===== SECTION VI - HEALTH HAZARD DATA =====

INHALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

DIZZINESS, NAUSEA, RESPIRATORY TRACT IRRITATION.

SKIN AND EYE CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE

MAY CAUSE A BURNING SENSATION, ITCHING, DRYNESS.

SKIN ABSORPTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

DRYNESS, CRACKING, ITCHING, DERMATITIS.

INGESTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

COUGHING, CHOKING VOMITING.

HEALTH HAZARDS (ACUTE AND CHRONIC)

POSSIBLE NERVOUS SYSTEM, LIVER OR KIDNEY DAMAGE WITH EXCESSIVE EXPOSURES. MAY CAUSE CARDIAC ARRHYTHMIA AND CARBOXYHEMAGLOBINEMIA. EXCESSIVE EXPOSURE MAY IRRITATE RESPIRATORY TRACT.

CARCINOGENICITY: NTP CARCINOGEN: YES IARC MONOGRAPHS: YES OSHA REGULATED: YES

THIS PRODUCT CONTAINS A CHEMICAL WHICH IS LISTED ON THE NTP FOR CARCINOGENICITY. HOWEVER, OSHA AND IARC LISTS ARE NOT APPLICABLE AT THIS TIME.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE

SOME SKIN CONDITIONS MAY BE AGGRAVATED.

EMERGENCY AND FIRST AID PROCEDURES

SKIN: FLUSH WITH WATER FOR AT LEAST 15 MINUTES. SEEK MEDICAL ATTENTION IF IRRITATION PERSISTS. EYES: FLUSH WITH WATER FOR AT LEAST 15 MINUTES. SEEK MEDICAL ATTENTION IF IRRITATION PERSISTS. INHALATION: REMOVE TO FRESH AIR. RESTORE BREATHING IF NECESSARY. SEEK MEDICAL ATTENTION IF IRRITATION PERSISTS. INGESTION: DO NOT INDUCE VOMITING. SEEK IMMEDIATE MEDICAL ATTENTION.

===== SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE =====

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

CONTAIN LIQUID AND ABSORB WITH INERT MATERIAL. COLLECT INTO CLOSED METAL CONTAINERS. KEEP OUT OF SEWERS AND WATER SOURCES.

WASTE DISPOSAL METHOD

DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

AVOID BREATHING VAPORS. STORE IN COOL PLACES. VAPORS ARE HEAVIER THAN AIR AND WILL COLLECT IN LOW PLACES.

OTHER PRECAUTIONS

REMOVE CONTAINER CAP SLOWLY TO RELEASE PRESSURE.

===== SECTION VIII - CONTROL MEASURES =====

REPIRATORY PROTECTION

NIOSH-APPROVED RESPIRATOR TO CONTROL TLV.

VENTILATION

LOCAL EXHAUST IS PREFERRED BUT, MECHANICAL EXHAUST IS ACCEPTABLE.

PROTECTIVE GLOVES

CHEMICAL RESISTANT SUCH AS NEOPRENE.

EYE PROTECTION

SAFETY GLASSES/GOGGLES.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT

SAFETY SHOWER/EYEWASH.

WORK/HYGIENIC PRACTICES

DO NOT EAT, DRINK OR SMOKE AROUND PRODUCT.

===== SECTION IX - DISCLAIMER =====

THIS INFORMATION IS TO THE BEST OF OUR KNOWLEDGE AND BELIEF ACCURATE AS OF THE DATE COMPILED. HOWEVER, NO REPRESENTATION OR GUARANTEE IS MADE AS TO ITS ACCURACY, RELIABILITY OR COMPLETENESS.

MATERIAL SAFETY DATA SHEET

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MSDS # 111671001

RAID HOUSE & GARDEN BUG KILLER FORMULA 7 (HOUSE & YA

Date Issued: 05Aug2004

Supersedes: 14Dec1999

US MANUFACTURER:

S.C. Johnson & Son, Inc.
Phone: (800) 725-6737
Racine, Wisconsin 53403-2236
Emergency Phone: (888) 779-7920
International Emergency Phone:
(262) 886-1480

CANADIAN MANUFACTURER:

S.C. Johnson and Son, Limited
Phone: (800) 725-6737
1 Webster Street
Brantford, Ontario N3T 5R1
Transportation Emergency:
CANUTEC (collect) (613) 996-6666
Poison Control: (888) 779-7920

HAZARD RATING	HMIS	HAZARD	NFPA	DISTRIBUTED IN CANADA BY:
4-Very High	1	Health	1	S.C. Johnson and Son, Limited
3-High	4	Flammability	4	Phone: (800) 725-6737
2-Moderate	0	Reactivity	0	1 Webster Street
1-Slight		Special		Brantford, Ontario N3T 5R1
0-Insignificant				

SECTION 1 - PRODUCT IDENTIFICATION

PRODUCT NAME..... RAID HOUSE & GARDEN BUG KILLER FORMULA 7 (HOUSE & YARD LINE)
REASON FOR CHANGE..... No significant changes.
PRODUCT USE..... Household: Insecticide

SECTION 2 - INGREDIENT INFORMATION

INGREDIENT	WEIGHT%	EXPOSURE LIMIT/TOXICITY
d-phenothrin.....	0.096	NOT ESTABLISHED
D-cis, trans allethrin.....	0.239	NOT ESTABLISHED
Isoparaffinic Hydrocarbon Solvent.....	3-7	100 ppm TWA (STODDARD SOLVENT)
Hydrocarbon Propellant Blend.....	<20	1000 ppm ACGIH/OSHA TWA
Water.....	65-85	NOT ESTABLISHED

SECTION 3 - HEALTH HAZARDS IDENTIFICATION (Also See Section 11)

ROUTE(S) OF ENTRY..... Eye contact. Skin contact. Inhalation.
EFFECTS OF ACUTE EXPOSURE:
EYE..... May cause: Mild eye irritation.
SKIN..... None known.
INHALATION..... None known.
INGESTION..... None known.
MEDICAL CONDITIONS..... None known.
GENERALLY RECOGNIZED
AS BEING AGGRAVATED
BY EXPOSURE

SECTION 4 - FIRST AID MEASURES

EYE CONTACT..... Rinse with plenty of water. If irritation persists, get medical attention.
SKIN CONTACT..... Wash contaminated area with water and soap. If irritation persists, get medical attention.
INHALATION..... No special requirements.
INGESTION..... No special requirements.

SECTION 5 - FIRE AND EXPLOSION INFORMATION

FLASH POINT..... < 20°F (< -7°C) (TCC) (propellant)

MATERIAL SAFETY DATA SHEET

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MSDS # 111671001

RAID HOUSE & GARDEN BUG KILLER FORMULA 7 (HOUSE & YA

Date Issued: 05Aug2004

Supersedes: 14Dec1999

----- SECTION 5 - FIRE AND EXPLOSION INFORMATION (continued) -----

FLAMMABLE LIMITS..... Not available.
AUTOIGNITION..... Not available.
TEMPERATURE
EXTINGUISHING MEDIA.... Foam. CO2. Dry chemical. Water fog.
SPECIAL FIREFIGHTING... Fight fire from maximum distance or protected area. Cool and use
PROCEDURES caution when approaching or handling fire-exposed containers.
Fire fighters should wear self-contained breathing apparatus and
protective clothing.
UNUSUAL FIRE AND..... Aerosol product - Containers may rocket or explode in heat of
EXPLOSION HAZARDS fire.

----- SECTION 6 - PREVENTIVE RELEASE MEASURES -----

STEPS TO BE TAKEN IN... Eliminate all ignition sources. Dike large spills. Absorb with
CASE MATERIAL IS oil-dri or similar inert material. Sweep or scrape up and
RELEASED OR SPILLED containerize. Do not let spilled or leaking material enter
watercourse.

----- SECTION 7 - HANDLING AND STORAGE -----

PRECAUTIONARY..... CAUTION: Harmful if absorbed through skin. Keep out of reach of
INFORMATION children. Avoid contact with skin, eyes and clothing. Do not
remain in enclosed areas after use. Ventilate enclosed areas
before returning. Keep away from food, foodstuffs and domestic
water supplies. Remove plants, pets, birds and cover and turn
off fish aquariums before spraying. Wash thoroughly after
handling. CONTENTS UNDER PRESSURE. Do not store at temperatures
above 120 °F (50 °C). Do not use near open fire, flames or heat.
Do not puncture or incinerate.
OTHER HANDLING AND..... Observe good personal hygiene practices.
STORAGE CONDITIONS

----- SECTION 8 - SPECIAL PROTECTION INFORMATION -----

RESPIRATORY PROTECTION. If ventilation is adequate, respiratory protection not required.
VENTILATION..... No special requirements.
PROTECTIVE GLOVES..... If prolonged or repeated contact is possible: Any impervious
material.
EYE PROTECTION..... No special requirements under normal use conditions.
OTHER PROTECTIVE..... If major exposure is possible to eyes/skin, wear/use appropriate
MEASURES protective equipment.

----- SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES -----

COLOR..... Opaque
PRODUCT STATE..... Dispensed as a spray mist.
ODOR..... Characteristic
pH..... Not available.
ODOR THRESHOLD..... Not available.
SOLUBILITY IN WATER.... Appreciable
SPECIFIC GRAVITY..... 0.86
(H2O=1)
VAPOR DENSITY (AIR=1).. Not applicable.
EVAPORATION RATE (BUTYL Not available.
ACETATE=1)

MATERIAL SAFETY DATA SHEET

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MSDS # 111671001

RAID HOUSE & GARDEN BUG KILLER FORMULA 7 (HOUSE & YA

Date Issued: 05Aug2004

Supersedes: 14Dec1999

----- SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES (continued) -----

VAPOR PRESSURE (mm HG). Not available.
BOILING POINT..... Not available.
FREEZING POINT..... Not available.
COEFFICIENT OF..... Not available.
WATER/OIL
PERCENT VOLATILE BY.... Not available.
VOLUME (%)
VOLATILE ORGANIC..... < 20 Hydrocarbon Propellant.
COMPOUND (VOC)
THEORETICAL VOC..... Not available.
(LB/GAL)

----- SECTION 10 - STABILITY AND REACTIVITY -----

STABILITY..... Stable
STABILITY - CONDITIONS. None known.
TO AVOID
INCOMPATIBILITY..... None known.
HAZARDOUS DECOMPOSITION. When exposed to fire: Produces normal products of combustion.
PRODUCTS
HAZARDOUS..... Will not occur.
POLYMERIZATION
HAZARDOUS..... None known.
POLYMERIZATION -
CONDITIONS TO AVOID

----- SECTION 11 - TOXICOLOGY INFORMATION (Also See Section 3) -----

LD50 (ACUTE ORAL TOX).. Estimated to be greater than 5000 mg/kg (rats).
LD50 (ACUTE DERMAL TOX) Estimated to be greater than 2000 mg/kg.
LC50 (ACUTE INHALATION. Not available.
TOX)
EFFECTS OF CHRONIC..... None known.
EXPOSURE
SENSITIZATION..... None known.
CARCINOGENICITY..... None known.
REPRODUCTIVE TOXICITY.. None known.
TERATOGENICITY..... None known.
MUTAGENICITY..... None known.

----- SECTION 12 - ECOLOGICAL INFORMATION -----

ENVIRONMENTAL DATA..... Not available.

----- SECTION 13 - DISPOSAL CONSIDERATIONS -----

WASTE DISPOSAL..... If possible, recycle empty aerosol can to nearest steel
INFORMATION recycling center. Use up package or give to someone who can.

----- SECTION 14 - TRANSPORTATION INFORMATION -----

US DOT INFORMATION..... Insecticides or insect repellents, N.O.I., other than poison
Consumer commodity, ORM-D.

MATERIAL SAFETY DATA SHEET

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MSDS # 111671001

RAID HOUSE & GARDEN BUG KILLER FORMULA 7 (HOUSE & YA

Date Issued: 05Aug2004

Supersedes: 14Dec1999

----- SECTION 14 - TRANSPORTATION INFORMATION (continued) -----

CANADIAN SHIPPING NAME. RAID HOUSE & GARDEN BUG KILLER FORMULA 7 (HOUSE & YARD LINE)
TDG CLASSIFICATION..... 2.1
PIN/NIP..... 1950
PACKING GROUP..... Not applicable.
EXEMPTION NAME..... Not applicable.

----- SECTION 15 - REGULATORY INFORMATION -----

WHMIS CLASSIFICATION... REGULATED UNDER P.C.P. NO. 15337

All ingredients of this product are listed or are excluded from listing on the U.S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory.

All ingredients in this product comply with the New Substances Notification requirements under the Canadian Environmental Protection Act (CEPA).

This product is not subject to the reporting requirements under California's Proposition 65.

----- SECTION 16 - OTHER INFORMATION -----

ADDITIONAL INFORMATION. NFPA 30B Level 1 Aerosol.
EPA REGISTRATION #..... 4822-283

----- PREPARATION INFORMATION -----

PREPARED BY..... Manufacturer's Technical Support Department. Refer to page 1
(Manufacturer) for contact information.

This document has been prepared using data from sources considered technically reliable. It does not constitute a warranty, express or implied, as to the accuracy of the information contained herein. Actual conditions of use and handling are beyond seller's control. User is responsible to evaluate all available information when using product for any particular use and to comply with all Federal, State, Provincial and Local laws and regulations.

PRINT DATE: 05Aug2004

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| M A T E R I A L   S A F E T Y   D A T A   S H E E T |
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| SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION |
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PRODUCT NAME : RUST-INHIBITIVE PRIMER
 IDENTIFICATION NUMBER: 1573 402
 DATE PRINTED : 04/02/99

PRODUCT USE/CLASS : SPEEDY DRY SYSTEM

SUPPLIER:	MANUFACTURER:
Rust-Oleum Corporation	Rust-Oleum Corporation
11 Hawthorn Parkway	11 Hawthorn Parkway
Vernon Hills, Illinois	Vernon Hills, Illinois
60061 USA	60061 USA
(847) 367-7700 Rust-Oleum Corp.	(847) 367-7700 Rust-Oleum Corp.
Mon.-Fri, 8:00 AM-4:30 PM	Mon.-Fri, 8:00 AM-4:30 PM

PREPARER: LJW, PHONE: , PREPARE DATE: 04/02/99

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+-----+
| SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS |
+-----+

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ITEM	CHEMICAL NAME	CAS NUMBER	WT/WT % LESS THAN
01	Magnesium Silicate	14807-96-6	30.0 %
02	XYLENE	1330-20-7	20.0 %
03	ETHYLBENZENE	100-41-4	5.0 %

----- EXPOSURE LIMITS -----						
	ACGIH		OSHA		MEXICAN	
ITEM	TLV-TWA	TLV-STEL	PEL-TWA	PEL-CEILING	TLV-TWA	SKIN
01	10mg/m3	N.E.	15mg/m3	N.E.	N.E.	NO
02	100PPM	150PPM	100PPM	N.E.	N.E.	NO
03	100 PPM	125 PPM	100 PPM	N.E.	N.E.	NO

(See Section 16 for abbreviation legend)

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+-----+
| SECTION 3 - HAZARDS IDENTIFICATION |
+-----+

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*** EMERGENCY OVERVIEW ***: Harmful if swallowed. Causes eye irritation. Flammable liquid and vapor. Causes nose and throat irritation. Harmful if inhaled. May effect the brain or nervous system causing dizziness, headache or nausea. High vapor concentrations can irritate eyes, nose and respiratory

(Continued on Page 2)

SECTION 3 - HAZARDS IDENTIFICATION

passages.

EFFECTS OF OVEREXPOSURE - EYE CONTACT: Causes eye irritation.

EFFECTS OF OVEREXPOSURE - SKIN CONTACT: Prolonged or repeated skin contact may cause irritation.

EFFECTS OF OVEREXPOSURE - INHALATION: Harmful if inhaled. Avoid breathing vapors or mists. High vapor concentrations are irritating to the eyes, nose, throat and lungs.

EFFECTS OF OVEREXPOSURE - INGESTION: Harmful if swallowed. Aspiration hazard if swallowed; can enter lungs and cause damage.

EFFECTS OF OVEREXPOSURE - CHRONIC HAZARDS: Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Overexposure to xylene in laboratory animals has been associated with liver abnormalities, kidney, lung, spleen, eye and blood damage as well as reproductive disorders. Effects in humans, due to chronic overexposure, have included liver, cardiac abnormalities and hearing loss.

PRIMARY ROUTE(S) OF ENTRY: SKIN ABSORPTION INHALATION EYE CONTACT

SECTION 4 - FIRST AID MEASURES

FIRST AID - EYE CONTACT: Hold eyelids apart and flush with plenty of water for at least 15 minutes. Get medical attention.

FIRST AID - SKIN CONTACT: Wash with soap and water. Get medical attention if irritation develops or persists.

FIRST AID - INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get immediate medical attention.

FIRST AID - INGESTION: Aspiration hazard: Do not induce vomiting or give anything by mouth because this material can enter the lungs and cause severe lung damage. Get immediate medical attention.

SECTION 5 - FIRE FIGHTING MEASURES

FLASH POINT: 81 F
(SETAFLASH CLOSED CUP)

LOWER EXPLOSIVE LIMIT: 1.0 %
UPPER EXPLOSIVE LIMIT: 6.7 %

AUTOIGNITION TEMPERATURE: ND

(Continued on Page 3)

Product: 1573

402

Preparation Date: 04/02/99

Page 3

SECTION 5 - FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA: DRY CHEMICAL FOAM WATER FOG

UNUSUAL FIRE AND EXPLOSION HAZARDS: Vapors may form explosive mixtures with air. Vapors can travel to a source of ignition and flash back. Isolate from heat, electrical equipment, sparks and open flame.

SPECIAL FIREFIGHTING PROCEDURES: Water may be used to cool closed containers to prevent pressure buildup and possible autoignition or explosion. Evacuate area and fight fire from a safe distance.

+-----+
| SECTION 6 - ACCIDENTAL RELEASE MEASURES |
+-----+

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Contain spilled liquid with sand or earth. DO NOT use combustible materials such as sawdust. Eliminate all ignition sources; use explosion-proof equipment. Place material in a container and dispose of according to local, provincial, state and federal regulations.

+-----+
| SECTION 7 - HANDLING AND STORAGE |
+-----+

HANDLING: Wash thoroughly after handling. Wash hands before eating. Use with adequate ventilation. Follow all MSDS/label precautions even after container is emptied because it may retain product residues.

STORAGE: Keep containers tightly closed. Isolate from heat, electrical equipment, sparks and open flame. Keep away from heat, sparks, flame and sources of ignition. Keep container closed when not in use.

+-----+
| SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION |
+-----+

ENGINEERING CONTROLS: Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Prevent build-up of vapors by opening all doors and windows to achieve cross-ventilation.

RESPIRATORY PROTECTION: A respiratory protection program that meets OSHA 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace

conditions warrant a respirator's use. A NIOSH/MSHA approved air purifying respirator with an organic vapor cartridge or canister may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits. Protection provided by air purifying respirators is limited. Use a positive pressure air supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or any other circumstances where air purifying respirators may not provide adequate protection.

(Continued on Page 4)

+-----+
Product: 1573 402 Preparation Date: 04/02/99 Page 4
+-----+
| SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION |
+-----+

SKIN PROTECTION: Use impervious gloves to prevent skin contact and absorption of this material through the skin. Nitrile or Neoprene gloves may afford adequate skin protection.

EYE PROTECTION: Use safety eyewear designed to protect against splash of liquids.

OTHER PROTECTIVE EQUIPMENT: Refer to safety supervisor or industrial hygienist for further information regarding personal protective equipment and its application.

HYGIENIC PRACTICES: Wash thoroughly with soap and water before eating, drinking or smoking.

+-----+
| SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES |
+-----+

BOILING RANGE	: 276 - 284 F	VAPOR DENSITY	: Is heavier than air
ODOR	: SOLVENT	ODOR THRESHOLD	: ND
APPEARANCE	: LIQUID	EVAPORATION RATE	: Is slower than Ether
SOLUBILITY IN H2O	: INSOLUBLE		
FREEZE POINT	: ND	SPECIFIC GRAVITY	: 1.3756
VAPOR PRESSURE	: ND	pH @ 0.0 %	: ND
PHYSICAL STATE	: LIQUID	VISCOSITY	: ND
COEFFICIENT OF WATER/OIL DISTRIBUTION: ND			

(See Section 16 for abbreviation legend)

+-----+
| SECTION 10 - STABILITY AND REACTIVITY |
+-----+

CONDITIONS TO AVOID: Avoid all possible sources of ignition.

INCOMPATIBILITY: Incompatible with strong oxidizing agents, strong acids and strong alkalies.

HAZARDOUS DECOMPOSITION PRODUCTS: By open flame, carbon monoxide and carbon dioxide. When heated to decomposition it emits acrid smoke and irritating fumes.

HAZARDOUS POLYMERIZATION: Will not occur under normal conditions.

STABILITY: This product is stable under normal storage conditions.

+-----+
| SECTION 11 - TOXICOLOGICAL PROPERTIES |
+-----+

COMPONENT TOXICOLOGICAL INFORMATION:

----- CHEMICAL NAME ----- LD50 ----- LC50 -----

(Continued on Page 5)

Product: 1573 402 Preparation Date: 04/02/99 Page 5

+-----+
| SECTION 11 - TOXICOLOGICAL PROPERTIES |
+-----+

----- CHEMICAL NAME -----	----- LD50 -----	----- LC50 -----
Magnesium Silicate	None	TCLo:11mg/m3 inh.
XYLENE	RAT 4300MG/KG	RAT 5000PPM 4HR
ETHYLBENZENE	RAT 3500MG/KG	N.A.

+-----+
| SECTION 12 - ECOLOGICAL INFORMATION |
+-----+

ECOLOGICAL INFORMATION: Product is a mixture of listed components.

+-----+
| SECTION 13 - DISPOSAL CONSIDERATIONS |
+-----+

DISPOSAL METHOD: Dispose of material in accordance to local, state and federal regulations and ordinances. Do not allow to enter storm drains or sewer systems.

+-----+
| SECTION 14 - TRANSPORTATION INFORMATION |
+-----+

DOT PROPER SHIPPING NAME: PAINT

DOT TECHNICAL NAME:

DOT HAZARD CLASS: 3 HAZARD SUBCLASS:

DOT UN/NA NUMBER: UN1263 PACKING GROUP: III RESP. GUIDE PAGE: 127

+-----+
| SECTION 15 - REGULATORY INFORMATION |
+-----+

U.S. FEDERAL REGULATIONS: AS FOLLOWS -

OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200)

CERCLA - SARA HAZARD CATEGORY:

This product has been reviewed according to the EPA 'Hazard Categories' promulgated under Sections 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories:

IMMEDIATE HEALTH HAZARD CHRONIC HEALTH HAZARD FIRE HAZARD

(Continued on Page 6)

+-----+
Product: 1573 402 Preparation Date: 04/02/99 Page 6
+-----+
| SECTION 15 - REGULATORY INFORMATION |
+-----+

SARA SECTION 313:

This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372:

----- CHEMICAL NAME -----	CAS NUMBER	WT/WT % IS LESS THAN
XYLENE	1330-20-7	20.0 %
ETHYLBENZENE	100-41-4	5.0 %

TOXIC SUBSTANCES CONTROL ACT:

This product contains the following chemical substances subject to the reporting requirements of TSCA 12(B) if exported from the United States:

----- CHEMICAL NAME ----- CAS NUMBER
No information is available.

U.S. STATE REGULATIONS: AS FOLLOWS -

NEW JERSEY RIGHT-TO-KNOW:

The following materials are non-hazardous, but are among the top five components in this product:

----- CHEMICAL NAME -----	CAS NUMBER
ALKYD RESIN	PROPRIETARY
Yellow Iron Oxide	51274-00-1
Zinc Phosphate	7779-90-0

PENNSYLVANIA RIGHT-TO-KNOW:

The following non-hazardous ingredients are present in the product at greater than 3%:

----- CHEMICAL NAME -----	CAS NUMBER
ALKYD RESIN	PROPRIETARY
Yellow Iron Oxide	51274-00-1
Zinc Phosphate	7779-90-0

CALIFORNIA PROPOSITION 65:

WARNING: The chemical(s) noted below and contained in this product, are known to the state of California to cause cancer, birth defects or other reproductive harm:

----- CHEMICAL NAME ----- CAS NUMBER
According to our raw material suppliers no Proposition 65 chemicals exist in this product above OSHA de minimus levels. All products comply with label provisions of Proposition 65.

INTERNATIONAL REGULATIONS: AS FOLLOWS -

CANADIAN WHMIS: This MSDS has been prepared in compliance with Controlled Product Regulations except for use of the 16 headings.

(Continued on Page 7)

Product: 1573	402	Preparation Date: 04/02/99	Page 7
+-----+ SECTION 15 - REGULATORY INFORMATION +-----+			

CANADIAN WHMIS CLASS: B2 D2A

+-----+	
	SECTION 16 - OTHER INFORMATION
+-----+	

HMIS RATINGS - HEALTH: 2* FLAMMABILITY: 3 REACTIVITY: 0

PREVIOUS MSDS REVISION DATE: 04/02/99

REASON FOR REVISION: TRANSPORTATION INFORMATION

LEGEND: N.A. - Not Applicable, N.E. - Not Established,
N.D. - Not Determined

: No Information.

The information contained on this MSDS has been checked and should be accurate. However, it is the responsibility of the user to comply with all Federal, State, and Local laws and regulations.



The Clorox Company
1221 Broadway
Oakland, CA 94612
Tel. (510) 271-7000

Material Safety Data Sheet

I Product: S.O.S® STEEL WOOL SOAP PADS		
Description: SOAP MIXTURE IMPREGNATED INTO STEEL WOOL PAD		
Other Designations	Distributor	Emergency Telephone Nos.
S.O.S® Lemon Fresh Scent Steel Wool Soap Pads S.O.S® Orange Scent Steel Wool Soap Pads S.O.S® Clean n' Toss Steel Wool Soap Pads S.O.S® Industrial Size Steel Wool Soap Pads S.O.S® Heavy Duty Steel Wool Soap Pads Commercial Solutions® S.O.S® Steel Wool Soap Pads	Clorox Sales Company 1221 Broadway Oakland, CA 94612	For Medical Emergencies call: (800) 446-1014 For Transportation Emergencies Chemtrec (800) 424-9300
II Health Hazard Data		III Hazardous Ingredients
Contact with eyes may produce irritation and redness. If ingested, gastric irritation and nausea/vomiting are possible. <u>FIRST AID:</u> <u>EYE CONTACT:</u> Immediately flush eyes with plenty of water for 15 minutes. If irritation persists, call a physician. <u>SKIN CONTACT:</u> Remove contaminated clothing. Flush skin with water. If irritation persists, call physician. <u>INGESTION:</u> Soap - Drink a glassful of water to dilute. Steel wool pad - immediately contact a physician or call Poison Control Center.		This product is not hazardous as defined by 29 CFR Part 1910.1200 (OSHA) None of the ingredients in this product is on the IARC, NTP, or OSHA carcinogen list.
IV Special Protection and Precautions		V Transportation and Regulatory Data
Wash hands after contact. Personal protection: For industrial/manufacturing settings, wear chemical safety goggles and protective gloves.		<u>DOT/IMDG/IATA:</u> Not restricted <u>TSCA Status:</u> All components of this product are on the TSCA inventory. <u>EPA - SARA Title III/CERCLA:</u> This product is regulated under Sections 311/312. This product contains sodium nitrite (CAS #7632-00-0, <2%) which is regulated under Section 313 and Section 304/CERCLA and contains sodium hydroxide (CAS #1310-73-2, <0.5%) which is regulated under Section 304/CERCLA.
VI Spill Procedures/Waste Disposal		VII Reactivity Data
Spill Procedures: Containerize. Wash residual down to sanitary sewer. Contact the sanitary treatment facility in advance to assure ability to process washed-down material. Waste Disposal: Dispose of in accordance with all applicable federal, state, and local regulations.		<u>Stability:</u> stable under normal use and storage conditions <u>Polymerization:</u> will not occur <u>Conditions to avoid:</u> none <u>Incompatible Materials:</u> strong mineral acids and strong oxidizers <u>Hazardous Decomposition Products:</u> none
VIII Fire and Explosion Data		IX Physical Data
Flash Point: None Not flammable or explosive.		Solubility in water: soap is completely soluble.

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DATA SUPPLIED IS FOR USE ONLY IN CONNECTION WITH OCCUPATIONAL SAFETY AND HEALTH

DATE PREPARED 06/04

DOD Hazardous Materials Information System
DoD 6050.5-L
AS OF July 1998

FSC: 8010
NIIN: 00N039623
Manufacturer's CAGE: 11111
Part No. Indicator: A
Part Number/Trade Name: SHIPENDEC PLATINUM, 3714

=====

General Information

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Item Name:
Company's Name: PETTIT PAINT CO
Company's Street: 36 PINE ST
Company's P. O. Box:
Company's City: BOROUGH OF ROCKAWAY
Company's State: NJ
Company's Country: US
Company's Zip Code: 07866
Company's Emerg Ph #: 800-548-0489
Company's Info Ph #: 201-625-3100
Distributor/Vendor # 1:
Distributor/Vendor # 1 Cage:
Distributor/Vendor # 2:
Distributor/Vendor # 2 Cage:
Distributor/Vendor # 3:
Distributor/Vendor # 3 Cage:
Distributor/Vendor # 4:
Distributor/Vendor # 4 Cage:
Safety Data Action Code:
Safety Focal Point: N
Record No. For Safety Entry: 001
Tot Safety Entries This Stk#: 001
Status: SMJ
Date MSDS Prepared: 13JUL90
Safety Data Review Date: 04FEB93
Supply Item Manager:
MSDS Preparer's Name:
Preparer's Company:
Preparer's St Or P. O. Box:
Preparer's City:
Preparer's State:
Preparer's Zip Code:
Other MSDS Number:
MSDS Serial Number: BRJFT
Specification Number:
Spec Type, Grade, Class:
Hazard Characteristic Code: NK
Unit Of Issue:
Unit Of Issue Container Qty:
Type Of Container:
Net Unit Weight:

Report for NIIN: 00N039623

NRC/State License Number:
Net Explosive Weight:
Net Propellant Weight-Ammo:
Coast Guard Ammunition Code:

=====

Ingredients/Identity Information

=====

Proprietary: NO
 Ingredient: SOLVENT NAPHTHA (PETROLEUM), MEDIUM ALIPHATIC; (ALIPHATIC
 SOLVENT NAPHTHA (PETROLEUM) MINERAL SPIRITS. VP: 10. (ING 2)
 Ingredient Sequence Number: 01
 Percent: 25-35
 Ingredient Action Code:
 Ingredient Focal Point: N
 NIOSH (RTECS) Number: 1003692SN
 CAS Number: 64742-88-7
 OSHA PEL: 100 PPM (MFR)
 ACGIH TLV: 100 PPM (MFR)
 Other Recommended Limit: N/K

Proprietary: NO
 Ingredient: ING 1: LD50 (ORAL,RAT): >25 ML/KG.
 Ingredient Sequence Number: 02
 Percent: N/K
 Ingredient Action Code:
 Ingredient Focal Point: N
 NIOSH (RTECS) Number: 9999999ZZ
 CAS Number:
 OSHA PEL: NOT APPLICABLE
 ACGIH TLV: NOT APPLICABLE
 Other Recommended Limit: N/K

Proprietary: NO
 Ingredient: TITANIUM OXIDE; (TITANIUM DIOXIDE)
 Ingredient Sequence Number: 03
 Percent: 0-35
 Ingredient Action Code:
 Ingredient Focal Point: N
 NIOSH (RTECS) Number: XR2275000
 CAS Number: 13463-67-7
 OSHA PEL: 15 MG/M3 TDUST
 ACGIH TLV: 10 MG/M3 TDUST; 9293
 Other Recommended Limit: N/K

Proprietary: NO
 Ingredient: CALCIUM CARBONATE. LD50 (ORAL,RAT): >500 MG/KG.
 Ingredient Sequence Number: 04
 Percent: 0-20
 Ingredient Action Code:
 Ingredient Focal Point: N
 NIOSH (RTECS) Number: EV9580000
 CAS Number: 1317-65-3
 OSHA PEL: 15 MG/M3 TDUST

Report for NIIN: 00N039623

ACGIH TLV: 10 MG/M3 TDUST
 Other Recommended Limit: N/K

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Physical/Chemical Characteristics

=====

Appearance And Odor: NONE SPECIFIED BY MANUFACTURER.
 Boiling Point: >310F,>154C
 Melting Point: N/K
 Vapor Pressure (MM Hg/70 F): SEE ING 1
 Vapor Density (Air=1): HVR/AIR
 Specific Gravity: 0.96-1.26(FP N)

Decomposition Temperature: N/K
 Evaporation Rate And Ref: SLOWER THAN ETHER
 Solubility In Water: N/K
 Percent Volatiles By Volume: 40-50
 Viscosity:
 pH: N/K
 Radioactivity:
 Form (Radioactive Matl):
 Magnetism (Milligauss):
 Corrosion Rate (IPY): N/K
 Autoignition Temperature:

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Fire and Explosion Hazard Data

=====

Flash Point: 105F, 41C
 Flash Point Method: TCC
 Lower Explosive Limit: 1%
 Upper Explosive Limit: N/K
 Extinguishing Media: FOAM, CARBON DIOXIDE, DRY CHEMICAL, WATER FOG.
 Special Fire Fighting Proc: WEAR NIOSH/MSHA APPROVED SCBA AND FULL
 PROTECTIVE EQUIPMENT (FP N). DO NOT USE DIRECT STREAM OF WATER. PRODUCT
 WILL FLOAT AND CAN BE REIGNITED.
 Unusual Fire And Expl Hazrds: CONTAINERS EXPOSED TO INTENSE HEAT FROM
 FIRES SHOULD BE COOLED WITH WATER TO PREVENT VAPOR PRESSURE BUILDUP WHICH
 COULD RESULT IN CONTAINER RUPTURE.

=====

Reactivity Data

=====

Stability: YES
 Cond To Avoid (Stability): NONE.
 Materials To Avoid: STRONG OXIDANTS LIKE: LIQUID CHLORINE, CONCENTRATED
 OXYGEN, SODIUM OR CALCIUM HYPOCHLORITE.
 Hazardous Decomp Products: FUMES, SMOKE AND CARBON MONOXIDE, IN CASE OF
 INCOMPLETE COMBUSTION.
 Hazardous Poly Occur: NO
 Conditions To Avoid (Poly): NOT RELEVANT.

=====

Health Hazard Data

=====

LD50-LC50 Mixture: SEE INGREDIENTS.
 Route Of Entry - Inhalation: YES
 Route Of Entry - Skin: YES

Report for NIIN: 00N039623

Route Of Entry - Ingestion: NO
 Health Haz Acute And Chronic: INHALATION OF HIGH VAPOR CONCENTRATIONS MAY
 HAVE RESULTS RANGING FROM DIZZINESS, HEADACHE, GIDDINESS, NAUSEA TO
 UNCONSCIOUSNESS. PROLONGED OR REPEATED LIQUID CONTACT WITH SKIN WILL DRY
 AND DEFAT SKIN, LEADING TO IRRITATION AND DERMATITIS.
 Carcinogenicity - NTP: NO
 Carcinogenicity - IARC: NO
 Carcinogenicity - OSHA: NO
 Explanation Carcinogenicity: NOT RELEVANT.
 Signs/Symptoms Of Overexp: SEE HEALTH HAZARDS.
 Med Cond Aggravated By Exp: NONE SPECIFIED BY MANUFACTURER.
 Emergency/First Aid Proc: INHAL: REMOVE FROM EXPOSURE IMMED; CALL
 PHYSICIAN. IF BREATHING IS IRREGULAR OR STOPPED, START RESUSCITATION,
 ADMINISTER OXYGEN. INGESTION: DO NOT INDUCE VOMITING; CALL PHYSICIAN. IF
 VOMITING OCCURS, KEEP HEAD BELOW HIPS TO KEEP LIQUID OUT OF LUNGS. SKIN:
 REMOVE ANY CONTAMD CLOTHING & WASH SKIN W/SOAP & WARM WATER. IF SPLASHED

INTO EYES, FLUSH W/CLEAR WATER FOR AT LST 15 MINS/UNTIL IRRIT SUBSIDES.

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Precautions for Safe Handling and Use

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Steps If Matl Released/Spill: REMOVE ALL IGNIT SOURCES. KEEP PEOPLE AWAY. RECOVER FREE LIQ. ADD ABSORB (SAND, EARTH, SAWDUST, ETC.) TO SPILL AREA. AVOID BRTHG VAPS. VENT CONFINED SPACES. OPEN ALL WINDOWS & DOORS. KEEP PETRO PRODS OUT OF SEWERS & WATERCOURSES BY DIKING OR (SUPDAT)

Neutralizing Agent: NONE SPECIFIED BY MANUFACTURER.

Waste Disposal Method: ASSURE CONFORMITY WITH APPLICABLE FEDERAL, STATE, AND LOCAL DISPOSAL REGULATIONS. DISPOSE OF ABSORBED MATERIAL AT AN RCRA APPROVED DISPOSAL SITE OR FACILITY.

Precautions-Handling/Storing: KEEP CONTAINERS CLOSED WHEN NOT IN USE. DO NOT HANDLE OR STORE NEAR HEAT, SPARK, FLAME OR STRONG OXIDANTS.

Other Precautions: NONE.

=====

Control Measures

=====

Respiratory Protection: USE A NIOSH/MSHA APPROVED HYDROCARBON VAPOR CANNISTER OR SUPPLIED-AIR RESPIRATORY PROTECTION IN CONFINED OR ENCLOSED PLACES IF OCCUPATIONAL EXPOSURE LIMITS ARE EXCEEDED.

Ventilation: EXHAUST AT OVER 60 FPM.

Protective Gloves: CHEMICAL RESISTANT GLOVES.

Eye Protection: CHEM WORK GOG &/FULL LGTH FSHLD (FP N).

Other Protective Equipment: NONE SPECIFIED BY MANUFACTURER.

Work Hygienic Practices: NONE SPECIFIED BY MANUFACTURER.

Suppl. Safety & Health Data: SPILL PROCEDURE: IMPOUNDING. ADVISE AUTHORITIES IF PRODUCT HAS ENTERED OR MAY ENTER SEWERS, WATERCOURSES, OR EXTENSIVE LAND AREAS.

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Transportation Data

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Transportation Action Code:

Transportation Focal Point:

Trans Data Review Date:

DOT PSN Code:

DOT Symbol:

Report for NIIN: 00N039623

DOT Proper Shipping Name:

DOT Class:

DOT ID Number:

DOT Pack Group:

DOT Label:

DOT/DoD Exemption Number:

IMO PSN Code:

IMO Proper Shipping Name:

IMO Regulations Page Number:

IMO UN Number:

IMO UN Class:

IMO Subsidiary Risk Label:

IATA PSN Code:

IATA UN ID Number:

IATA Proper Shipping Name:

IATA UN Class:

IATA Subsidiary Risk Class:

IATA Label:

AFI PSN Code:

AFI Symbols:

AFI Prop. Shipping Name:

AFI Class:
 AFI ID Number:
 AFI Pack Group:
 AFI Label:
 AFI Special Prov:
 AFI Basic Pac Ref:
 MMAC Code:
 N.O.S. Shipping Name:
 Additional Trans Data:

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Disposal Data

=====

Disposal Data Action Code:
 Disposal Data Focal Point:
 Disposal Data Review Date:
 Rec # For This Disp Entry:
 Tot Disp Entries Per NSN:
 Landfill Ban Item:
 Disposal Supplemental Data:
 1st EPA Haz Wst Code New:
 1st EPA Haz Wst Name New:
 1st EPA Haz Wst Char New:
 1st EPA Acute Hazard New:
 2nd EPA Haz Wst Code New:
 2nd EPA Haz Wst Name New:
 2nd EPA Haz Wst Char New:
 2nd EPA Acute Hazard New:
 3rd EPA Haz Wst Code New:
 3rd EPA Haz Wst Name New:
 3rd EPA Haz Wst Char New:
 3rd EPA Acute Hazard New:

Report for NIIN: 00N039623

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Label Data

=====

Label Required: YES
 Technical Review Date: 04FEB93
 Label Date: 03FEB93
 MFR Label Number:
 Label Status: G
 Common Name: SHIPENDEC PLATINUM, 3714
 Chronic Hazard: NO
 Signal Word: WARNING!
 Acute Health Hazard-None:
 Acute Health Hazard-Slight: X
 Acute Health Hazard-Moderate:
 Acute Health Hazard-Severe:
 Contact Hazard-None:
 Contact Hazard-Slight: X
 Contact Hazard-Moderate:
 Contact Hazard-Severe:
 Fire Hazard-None:
 Fire Hazard-Slight:
 Fire Hazard-Moderate: X
 Fire Hazard-Severe:
 Reactivity Hazard-None: X
 Reactivity Hazard-Slight:
 Reactivity Hazard-Moderate:
 Reactivity Hazard-Severe:

Special Hazard Precautions: COMBUSTIBLE LIQUID! DO NOT HANDLE OR STORE NEAR HEAT, SPARK, FLAME OR STRONG OXIDANTS. ACUTE: INHALATION OF HIGH VAPOR CONCENTRATIONS MAY HAVE RESULTS RANGING FROM DIZZINESS, HEADACHE, GIDDINESS, NAUSEA TO UNCONSCIOUSNESS. PROLONGED OR REPEATED LIQUID CONTACT WITH SKIN WILL DRY AND DEFAT SKIN, LEADING TO IRRITATION AND DERMATITIS. CHRONIC: NONE LISTED BY MANUFACTURER.

Protect Eye: Y

Protect Skin: Y

Protect Respiratory: Y

Label Name: PETTIT PAINT CO

Label Street: 36 PINE ST

Label P.O. Box:

Label City: BOROUGH OF ROCKAWAY

Label State: NJ

Label Zip Code: 07866

Label Country: US

Label Emergency Number: 800-548-0489

Year Procured:

DOD Hazardous Materials Information System
DoD 6050.5-L
AS OF July 1998

FSC: 8010
NIIN: 00N039612
Manufacturer's CAGE: 11111
Part No. Indicator: A
Part Number/Trade Name: SHIPENDEC WHITE, 3147

=====

General Information

=====

Item Name:
Company's Name: PETTIT PAINT CO
Company's Street: 36 PINE ST
Company's P. O. Box:
Company's City: BOROUGH OF ROCKAWAY
Company's State: NJ
Company's Country: US
Company's Zip Code: 07866
Company's Emerg Ph #: 800-548-0489
Company's Info Ph #: 201-625-3100
Distributor/Vendor # 1:
Distributor/Vendor # 1 Cage:
Distributor/Vendor # 2:
Distributor/Vendor # 2 Cage:
Distributor/Vendor # 3:
Distributor/Vendor # 3 Cage:
Distributor/Vendor # 4:
Distributor/Vendor # 4 Cage:
Safety Data Action Code:
Safety Focal Point: N
Record No. For Safety Entry: 001
Tot Safety Entries This Stk#: 001
Status: SMJ
Date MSDS Prepared: 13JUL90
Safety Data Review Date: 04FEB93
Supply Item Manager:
MSDS Preparer's Name:
Preparer's Company:
Preparer's St Or P. O. Box:
Preparer's City:
Preparer's State:
Preparer's Zip Code:
Other MSDS Number:
MSDS Serial Number: BRJFG
Specification Number:
Spec Type, Grade, Class:
Hazard Characteristic Code: NK
Unit Of Issue:
Unit Of Issue Container Qty:
Type Of Container:
Net Unit Weight:

Report for NIIN: 00N039612

NRC/State License Number:
Net Explosive Weight:
Net Propellant Weight-Ammo:
Coast Guard Ammunition Code:

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Ingredients/Identity Information

=====

Proprietary: NO
 Ingredient: SOLVENT NAPHTHA (PETROLEUM), MEDIUM ALIPHATIC; (ALIPHATIC
 SOLVENT NAPHTHA (PETROLEUM) MINERAL SPIRITS. VP: 10. (ING 2)
 Ingredient Sequence Number: 01
 Percent: 25-35
 Ingredient Action Code:
 Ingredient Focal Point: N
 NIOSH (RTECS) Number: 1003692SN
 CAS Number: 64742-88-7
 OSHA PEL: 100 PPM (MFR)
 ACGIH TLV: 100 PPM (MFR)
 Other Recommended Limit: N/K

Proprietary: NO
 Ingredient: ING 1: LD50 (ORAL,RAT): >25 ML/KG.
 Ingredient Sequence Number: 02
 Percent: N/K
 Ingredient Action Code:
 Ingredient Focal Point: N
 NIOSH (RTECS) Number: 9999999ZZ
 CAS Number:
 OSHA PEL: NOT APPLICABLE
 ACGIH TLV: NOT APPLICABLE
 Other Recommended Limit: N/K

Proprietary: NO
 Ingredient: TITANIUM OXIDE; (TITANIUM DIOXIDE)
 Ingredient Sequence Number: 03
 Percent: 0-35
 Ingredient Action Code:
 Ingredient Focal Point: N
 NIOSH (RTECS) Number: XR2275000
 CAS Number: 13463-67-7
 OSHA PEL: 15 MG/M3 TDUST
 ACGIH TLV: 10 MG/M3 TDUST; 9293
 Other Recommended Limit: N/K

Proprietary: NO
 Ingredient: CALCIUM CARBONATE. LD50 (ORAL,RAT): >500 MG/KG.
 Ingredient Sequence Number: 04
 Percent: 0-20
 Ingredient Action Code:
 Ingredient Focal Point: N
 NIOSH (RTECS) Number: EV9580000
 CAS Number: 1317-65-3
 OSHA PEL: 15 MG/M3 TDUST

Report for NIIN: 00N039612

ACGIH TLV: 10 MG/M3 TDUST
 Other Recommended Limit: N/K

=====

Physical/Chemical Characteristics

=====

Appearance And Odor: NONE SPECIFIED BY MANUFACTURER.
 Boiling Point: >310F,>154C
 Melting Point: N/K
 Vapor Pressure (MM Hg/70 F): SEE ING 1
 Vapor Density (Air=1): HVR/AIR
 Specific Gravity: 0.96-1.26(FP N)

Decomposition Temperature: N/K
 Evaporation Rate And Ref: SLOWER THAN ETHER
 Solubility In Water: N/K
 Percent Volatiles By Volume: 40-50
 Viscosity:
 pH: N/K
 Radioactivity:
 Form (Radioactive Matl):
 Magnetism (Milligauss):
 Corrosion Rate (IPY): N/K
 Autoignition Temperature:

=====

Fire and Explosion Hazard Data

=====

Flash Point: 105F, 41C
 Flash Point Method: TCC
 Lower Explosive Limit: 1%
 Upper Explosive Limit: N/K
 Extinguishing Media: FOAM, CARBON DIOXIDE, DRY CHEMICAL, WATER FOG.
 Special Fire Fighting Proc: WEAR NIOSH/MSHA APPROVED SCBA AND FULL
 PROTECTIVE EQUIPMENT (FP N). DO NOT USE DIRECT STREAM OF WATER. PRODUCT
 WILL FLOAT AND CAN BE REIGNITED.
 Unusual Fire And Expl Hazrds: CONTAINERS EXPOSED TO INTENSE HEAT FROM
 FIRES SHOULD BE COOLED WITH WATER TO PREVENT VAPOR PRESSURE BUILDUP WHICH
 COULD RESULT IN CONTAINER RUPTURE.

=====

Reactivity Data

=====

Stability: YES
 Cond To Avoid (Stability): NONE.
 Materials To Avoid: STRONG OXIDANTS LIKE: LIQUID CHLORINE, CONCENTRATED
 OXYGEN, SODIUM OR CALCIUM HYPOCHLORITE.
 Hazardous Decomp Products: FUMES, SMOKE AND CARBON MONOXIDE, IN CASE OF
 INCOMPLETE COMBUSTION.
 Hazardous Poly Occur: NO
 Conditions To Avoid (Poly): NOT RELEVANT.

=====

Health Hazard Data

=====

LD50-LC50 Mixture: SEE INGREDIENTS.
 Route Of Entry - Inhalation: YES
 Route Of Entry - Skin: YES

Report for NIIN: 00N039612

Route Of Entry - Ingestion: NO
 Health Haz Acute And Chronic: INHALATION OF HIGH VAPOR CONCENTRATIONS MAY
 HAVE RESULTS RANGING FROM DIZZINESS, HEADACHE, GIDDINESS, NAUSEA TO
 UNCONSCIOUSNESS. PROLONGED OR REPEATED LIQUID CONTACT WITH SKIN WILL DRY
 AND DEFAT SKIN, LEADING TO IRRITATION AND DERMATITIS.
 Carcinogenicity - NTP: NO
 Carcinogenicity - IARC: NO
 Carcinogenicity - OSHA: NO
 Explanation Carcinogenicity: NOT RELEVANT.
 Signs/Symptoms Of Overexp: SEE HEALTH HAZARDS.
 Med Cond Aggravated By Exp: NONE SPECIFIED BY MANUFACTURER.
 Emergency/First Aid Proc: INHAL: REMOVE FROM EXPOSURE IMMED; CALL
 PHYSICIAN. IF BREATHING IS IRREGULAR OR STOPPED, START RESUSCITATION,
 ADMINISTER OXYGEN. INGESTION: DO NOT INDUCE VOMITING; CALL PHYSICIAN. IF
 VOMITING OCCURS, KEEP HEAD BELOW HIPS TO KEEP LIQUID OUT OF LUNGS. SKIN:
 REMOVE ANY CONTAMD CLOTHING & WASH SKIN W/SOAP & WARM WATER. IF SPLASHED

INTO EYES, FLUSH W/CLEAR WATER FOR AT LST 15 MINS/UNTIL IRRIT SUBSIDES.

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Precautions for Safe Handling and Use

=====

Steps If Matl Released/Spill: REMOVE ALL IGNIT SOURCES. KEEP PEOPLE AWAY. RECOVER FREE LIQ. ADD ABSORB (SAND, EARTH, SAWDUST, ETC.) TO SPILL AREA. AVOID BRTHG VAPS. VENT CONFINED SPACES. OPEN ALL WINDOWS & DOORS. KEEP PETRO PRODS OUT OF SEWERS & WATERCOURSES BY DIKING OR (SUPDAT)

Neutralizing Agent: NONE SPECIFIED BY MANUFACTURER.

Waste Disposal Method: ASSURE CONFORMITY WITH APPLICABLE FEDERAL, STATE, AND LOCAL DISPOSAL REGULATIONS. DISPOSE OF ABSORBED MATERIAL AT AN RCRA APPROVED DISPOSAL SITE OR FACILITY.

Precautions-Handling/Storing: KEEP CONTAINERS CLOSED WHEN NOT IN USE. DO NOT HANDLE OR STORE NEAR HEAT, SPARK, FLAME OR STRONG OXIDANTS.

Other Precautions: NONE.

=====

Control Measures

=====

Respiratory Protection: USE A NIOSH/MSHA APPROVED HYDROCARBON VAPOR CANNISTER OR SUPPLIED-AIR RESPIRATORY PROTECTION IN CONFINED OR ENCLOSED PLACES IF OCCUPATIONAL EXPOSURE LIMITS ARE EXCEEDED.

Ventilation: EXHAUST AT OVER 60 FPM.

Protective Gloves: CHEMICAL RESISTANT GLOVES.

Eye Protection: CHEM WORK GOG &/FULL LGTH FSHLD (FP N).

Other Protective Equipment: NONE SPECIFIED BY MANUFACTURER.

Work Hygienic Practices: NONE SPECIFIED BY MANUFACTURER.

Suppl. Safety & Health Data: SPILL PROCEDURE: IMPOUNDING. ADVISE AUTHORITIES IF PRODUCT HAS ENTERED OR MAY ENTER SEWERS, WATERCOURSES, OR EXTENSIVE LAND AREAS.

=====

Transportation Data

=====

Transportation Action Code:

Transportation Focal Point:

Trans Data Review Date:

DOT PSN Code:

DOT Symbol:

Report for NIIN: 00N039612

DOT Proper Shipping Name:

DOT Class:

DOT ID Number:

DOT Pack Group:

DOT Label:

DOT/DoD Exemption Number:

IMO PSN Code:

IMO Proper Shipping Name:

IMO Regulations Page Number:

IMO UN Number:

IMO UN Class:

IMO Subsidiary Risk Label:

IATA PSN Code:

IATA UN ID Number:

IATA Proper Shipping Name:

IATA UN Class:

IATA Subsidiary Risk Class:

IATA Label:

AFI PSN Code:

AFI Symbols:

AFI Prop. Shipping Name:

AFI Class:
 AFI ID Number:
 AFI Pack Group:
 AFI Label:
 AFI Special Prov:
 AFI Basic Pac Ref:
 MMAC Code:
 N.O.S. Shipping Name:
 Additional Trans Data:

=====

Disposal Data

=====

Disposal Data Action Code:
 Disposal Data Focal Point:
 Disposal Data Review Date:
 Rec # For This Disp Entry:
 Tot Disp Entries Per NSN:
 Landfill Ban Item:
 Disposal Supplemental Data:
 1st EPA Haz Wst Code New:
 1st EPA Haz Wst Name New:
 1st EPA Haz Wst Char New:
 1st EPA Acute Hazard New:
 2nd EPA Haz Wst Code New:
 2nd EPA Haz Wst Name New:
 2nd EPA Haz Wst Char New:
 2nd EPA Acute Hazard New:
 3rd EPA Haz Wst Code New:
 3rd EPA Haz Wst Name New:
 3rd EPA Haz Wst Char New:
 3rd EPA Acute Hazard New:

Report for NIIN: 00N039612

=====

Label Data

=====

Label Required: YES
 Technical Review Date: 03FEB93
 Label Date: 03FEB93
 MFR Label Number:
 Label Status: G
 Common Name: SHIPENDEC WHITE, 3147
 Chronic Hazard: NO
 Signal Word: WARNING!
 Acute Health Hazard-None:
 Acute Health Hazard-Slight: X
 Acute Health Hazard-Moderate:
 Acute Health Hazard-Severe:
 Contact Hazard-None:
 Contact Hazard-Slight: X
 Contact Hazard-Moderate:
 Contact Hazard-Severe:
 Fire Hazard-None:
 Fire Hazard-Slight:
 Fire Hazard-Moderate: X
 Fire Hazard-Severe:
 Reactivity Hazard-None: X
 Reactivity Hazard-Slight:
 Reactivity Hazard-Moderate:
 Reactivity Hazard-Severe:

Special Hazard Precautions: COMBUSTIBLE LIQUID! DO NOT HANDLE OR STORE NEAR HEAT, SPARK, FLAME OR STRONG OXIDANTS. ACUTE: INHALATION OF HIGH VAPOR CONCENTRATIONS MAY HAVE RESULTS RANGING FROM DIZZINESS, HEADACHE, GIDDINESS, NAUSEA TO UNCONSCIOUSNESS. PROLONGED OR REPEATED LIQUID CONTACT WITH SKIN WILL DRY AND DEFAT SKIN, LEADING TO IRRITATION AND DERMATITIS. CHRONIC: NONE LISTED BY MANUFACTURER.

Protect Eye: Y

Protect Skin: Y

Protect Respiratory: Y

Label Name: PETTIT PAINT CO

Label Street: 36 PINE ST

Label P.O. Box:

Label City: BOROUGH OF ROCKAWAY

Label State: NJ

Label Zip Code: 07866

Label Country: US

Label Emergency Number: 800-548-0489

Year Procured:



Spartan Chemical Company, Inc.

Material Safety Data Sheet

SECTION I: PRODUCT INFORMATION

Product Name or Number (as it appears on label):

Product Division:

STERIPHENE II BRAND DISINFECTANT DEODORANT Janitorial

Product Number: 6075; 6081

Spartan Chemical Company, Inc.

Product/Technical
Information: 1-(800)-537-8990

1110 Spartan Drive

Medical Emergency: 1-(888)-314-6171 (24 hours)

Maumee OH 43537

Chemical Leak/Spill
Emergency: CHEMTREC 1-(800) 424-9300 (24 hours)

Shipping Description: ORM-D, Consumer commodity, deodorants, aerosol, n.o.s.

NFPA Ratings:		HMIS Ratings:	
Health:	1- Slight	Health:	1- Slight
Fire:	4 - Extreme	Fire:	4 - Extreme
Reactivity:	0 - Minimal	Reactivity:	0 - Minimal
		Pers. Prot. Equip.:	See Section VIII

SECTION II: HAZARDOUS INGREDIENTS

(Listed when present at 1% or greater, carcinogens at 0.1% or greater) All component chemicals are listed or exempted from listing on the "TSCA Inventory" of chemical substances maintained by the U.S. Environmental Protection Agency.

Chemical Name(s)	% W	CAS Registry No.	Table Z- 1 - A			NTP, IARC or OSHA Carcinogen
			TWA mg/m ³	STEL mg/m ³	CEILING mg/m ³	
Ethanol	60-70	64-17-5	1900	Not Established	Not Established	No
Propane	5-10	74-98-6	1800	Not Established	Not Established	No
Isobutane	5-10	75-28-5	1900 (NIOSH)	Not Established	Not Established	No
*Ortho phenyl phenol	< 1.0	90-43-7	1 (Dow)	Not Established	Not Established	No
Ortho benzyl-para-chlorophenol	< 1.0	120-32-1	Not Established	Not Established	Not Established	No

Comment: *This substance is subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 (SARA) and of 40 CFR 372.

SECTION III: PHYSICAL DATA

Boiling Point:	165-175 °F	Vapor Pressure:	35 mm Hg @ 75°C
Vapor Density (AIR = 1):	Unknown	Solubility in Water:	Complete
pH:	8.0-9.0	Specific Gravity (H ₂ O=1):	0.84

Evaporation Rate (but. ace.=1):	1.5 (concentrate)	Percent Solid by Weight:	Trace
Physical State:	Liquid		
Appearance & Odor:	Light yellow liquid, citrus, floral fragrance		

▼ SECTION IV: FIRE & EXPLOSIVE HAZARD DATA

Flash Point:	Propellant: < 0°F	Method Used:	ASTM-D3065
Flammable Limits:	N/A	Flame Extension:	20" This product is a NFPA 30 B Storage Level II aerosol.
Extinguishing Media:	Foam or Carbon dioxide ₂		
Special Fire Fighting Procedures:	Use equipment or shielding required to protect personnel against bursting, rupturing or venting containers.		
Unusual Fire & Explosive Hazards:	At elevated temperatures (54°C/130°F), containers may vent, rupture or burst.		

▼ SECTION V: HEALTH HAZARD DATA

Threshold Limit Value:	Not Established	Primary Routes of Entry:	Inhalation, Skin Contact, Eyes
Effects of Overexposure-Conditions to Avoid:	<p>Causes substantial but temporary eye injury. Harmful if absorbed through the skin. Inhalation of product mist may cause respiratory irritation.</p> <p>Ortho phenyl phenol has been shown to produce urinary bladder tumors in male rats and liver tumors in male mice fed exaggerated doses.</p> <p>Do not get in eyes, on skin or on clothing. Avoid inhalation of product mist. Do not spray on food or food utensils.</p>		
Conditions Aggravated by Use:	Use of this product may aggravate preexisting skin; eye and respiratory disorders including asthma and dermatitis.		

Emergency & First Aid Procedures:

Eyes:	Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses; If present; after the first 5 minutes; then continue rinsing eye. Call a poison control center or doctor for treatment advice.
Skin:	Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice. Wash contaminated clothing before reuse.
Inhalation:	In case of respiratory irritation; move person to fresh air. Get medical attention if irritation persists.

▼ SECTION VI: REACTIVITY DATA

Stability:	Stable	Incompatible Materials:	None known
Hazardous Decomposition Products:	CO ₂ , CO	Hazardous Polymerization:	Will Not Occur

▼ SECTION VII: SPILL OR LEAK PROCEDURES

Steps to be Taken in Case Material is Released or Spilled:	Remove ignition sources. Avoid breathing vapors or contact with liquid. Soak up with absorbent material and transfer to containers for disposal. Rinse area with water and flush to sanitary sewer. Keep spill out of storm sewers and waterways.
Waste Disposal Method:	Do not incinerate or puncture aerosol container. Dispose of in accordance with federal, state and local regulations.

▼ **SECTION VIII: SPECIAL PROTECTION INFORMATION**

Respiratory Protection:	Not normally required when good general ventilation is provided. However, if exposure limits (see Section II) are exceeded or if respiratory irritation occurs, use of a NIOSH approved respirator suitable for the use-conditions and chemicals in Section II should be considered.
Ventilation:	Provide good general ventilation. Local exhaust ventilation may be necessary for some operations.
Protective Gloves(Specify Type):	Impervious gloves are recommended for prolonged or repeated contact.
Eye Protection(Specify Type):	Splash goggles are recommended to prevent eye contact.
Other Protective Equipment:	See CFR 1910.132-138.

▼ **SECTION IX: SPECIAL PRECAUTIONS**

Precautions; Handling & Storing:	Flammable! Contents under pressure. Do not use near fires, sparks or flame. Do not store where temperatures could exceed 120°F. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse. Do not contaminate water, food or feed by storage or disposal.
Other Precautions:	Keep out of reach of children.

© SCC 06/30/2005

**STERIPHENE II BRAND
DISINFECTANT DEODORANT**

Ref: 29 CFR 1910.1200
(OSHA)

Name: Ronald T. Cook

Effective 06/30/2005

Date:

Changes: Update Section IX

Title: Manager, Regulatory Affairs

Supercedes: 06/01/2004

This document has been prepared using data from sources considered technically reliable. It does not constitute a warranty, express or implied, as to the accuracy of the information contained herein. Actual conditions of use and handling are beyond sellers control. User is responsible to evaluate all available information when using product for any particular use and to comply with all Federal, State and Local laws and regulations.

STP® Heavy Duty Brake Fluid, DOT 3

1

CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

STP® Heavy Duty Brake Fluid, DOT 3

Manufactured for:
The Armor All / STP Products Company

1221 Broadway

Oakland, CA 94612

Telephone: (510)271-7000

Product Type

Auto Brake Fluid

Stock

ST0925, ST0925CAN, ST0925SP, ST0925PR, ST0926, ST0926CAN, Z-302

Formula

RM3715, RM3725, RM3837, RM3941, RM3950

Emergency Phone Numbers

 For Medical Emergencies Call:
1-800-446-1014

 For Transportation Emergencies
Call: 1-800-424-9300 (Chemtrec)

2

COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous Materials	Material	%	CAS #	Exposure Limit	Source
	Triethylene Glycol Monobutyl Ether	0-70	143-22-6	None Established	(3)
	Triethylene Glycol Monoethyl Ether	0-45	112-50-5	None Established	(3)
	Triethylene Glycol Monomethyl Ether	0-35	112-35-6	None Established	(3)
	Glycol Heavies	0-35	25322-68-3	None Established	(3)
	Polyalkylene Glycol	0-10	9038-95-3	None Established	(3)
	Diethylene Glycol Monobutyl Ether	0-10	112-34-5	None Established	(3)
	Diethylene Glycol Monomethyl Ether	0-5	111-77-3	None Established	(3)
	Diethylene Glycol Monoethyl Ether	0-2	111-90-0	None Established	(3)

None of the ingredients is listed as a carcinogen or potential carcinogen by IARC, NTP or OSHA.

The Permissible Exposure Limits (PEL) reported above are the pre-1989 limits that were reinstated by OSHA following a decision by the 11th Circuit Court of Appeals. These PELs are being enforced by Federal OSHA. Be aware that more restrictive limits may be enforced by some states. The Armor All / STP Products Company recommends that the lower exposure limits be observed as reasonable worker protection.

STP® Heavy Duty Brake Fluid, DOT 3

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COMPOSITION / INFORMATION ON INGREDIENTS (continued)

The source for exposure limits listed above are:

1. OSHA Permissible Exposure Limit (PEL)
2. ACGIH Threshold Limit Value (TLV)
3. Both the OSHA PEL and ACGIH TLV
4. Recommended by the Manufacturer

3

HAZARDS IDENTIFICATION

Principal Hazards

Warning

- Clear amber liquid with a mild odor.
- Accidental ingestion of this material may cause gastrointestinal disturbances including irritation, nausea, vomiting and diarrhea.
- Aspiration from ingestion may cause central nervous system depression and kidney and liver damage.
- Breathing vapors or mists may cause mucous membrane irritation.
- May cause eye irritation or possible corneal injury.
- Prolonged skin contact may cause irritation.

See Section 11 for complete health hazard information

KEEP OUT OF REACH OF CHILDREN

4

FIRST AID

Swallowing

If swallowed, get immediate medical advice by calling a Poison Control Center or emergency room. If advice is not available, then give 1 or 2 glasses of water or milk and induce vomiting. Take victim and product container to the nearest emergency treatment center or hospital. Do not attempt to give anything by mouth to an unconscious person.

Skin

Remove contaminated clothing. Wash all affected and exposed areas with soap and water. If irritation or redness develops or persists, seek medical attention.

Inhalation

Remove to fresh air if effects occur and seek medical attention.

Eyes

Exposed eyes should be immediately flushed with copious amounts of water using a steady stream for a minimum of 15 minutes. If irritation, pain, swelling or tearing develops, seek medical attention.

Notes To Physician

There is no specific antidote. Treatment should be directed at the control of symptoms and clinical conditions.

STP® Heavy Duty Brake Fluid, DOT 3

5 FIRE FIGHTING MEASURES

Flash Point (Method)	250-275 °F (121-135 °C) PMCC
Upper Flammable Limit	Not determined
Lower Flammable Limit	Not determined
Extinguishing Media	Use water fog, foam, alcohol foam, carbon dioxide or dry chemical.
Special Firefighting Procedures	Use self contained breathing apparatus and full protective clothing. Use water to cool fire-exposed containers. A direct stream of water or foam may cause frothing.
Unusual Fire and Explosion Hazards	None
Combustion Decomposition	Burning can produce carbon dioxide, carbon monoxide and oxides of nitrogen.
Auto-ignition temperature	Not determined
Explosion Data	None determined.

6 ACCIDENTAL RELEASE MEASURES

Spill	Wear appropriate personal protective equipment. Collect material with suitable absorbent material. Place into an appropriate container for disposal. Keep out of sewers and waterways.
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7 HANDLING AND STORAGE

Handling Procedures	<ul style="list-style-type: none">• Avoid contact with eyes.• Avoid prolonged skin contact.• Wash exposed skin with soap and water after use.• Avoid breathing vapors and mists.• Use only with adequate ventilation.• Keep away from excessive heat or open flames• Do not add nitrites or other nitrosating agents. A nitosamine, which may cause cancer, may be formed.
Storage Procedures	<ul style="list-style-type: none">• Store in a cool, well ventilated area. Keep container tightly closed when not in use.

STP® Heavy Duty Brake Fluid, DOT 3

8

EXPOSURE CONTROLS / PERSONAL PROTECTION

Ventilation Procedures	General ventilation should be adequate for normal use. For operations where the product is heated or misted and exposures may be excessive, mechanical ventilation such as local exhaust may be needed to minimize exposure.
Gloves Protection	Chemical resistant gloves such as PVC coated gloves are recommended to prevent prolonged/repeated skin contact.
Eye Protection	Splash proof goggles are recommended to prevent eye contact.
Respiratory Protection	None needed under normal use conditions. For operations where the exposures may be excessive, a NIOSH/MSHA approved organic vapor respirator with a dust/mist pre-filter or supplied air respirator is recommended. Equipment selection depends on contaminant type and concentration, select in accordance with 29 CFR 1910.134 and good industrial hygiene practice. For firefighting, use self-contained breathing apparatus.
Clothing Recommendation	Protective clothing if needed to avoid prolonged / repeated skin contact. Suitable washing and eye flushing facilities should be available in the work area. Contaminated clothing should be removed and laundered or dry-cleaned before re-use.

9

PHYSICAL AND CHEMICAL PROPERTIES

Vapor Pressure	Not determined
pH	Not determined
Specific Gravity	1.02-1.05
Water Solubility	100%
Vapor Density	Not determined
Evaporation Rate	Not determined
Odor	Characteristic odor
Appearance	Clear amber to yellow liquid
Viscosity	Not determined
Boiling Point	Greater than 430 °F
Freezing Point	Less than -40 °F

10

STABILITY AND REACTIVITY

Stability	Stable
Incompatibility	Avoid strong oxidizing agents and peroxides.

STP® Heavy Duty Brake Fluid, DOT 3**10 STABILITY AND REACTIVITY (continued)**

Conditions to Avoid	Contact with nitrites or other nitrosating agents may produce nitrosamine, a known animal carcinogen.
Polymerization	Will not occur
Hazardous Decomposition	Burning can produce carbon monoxide, carbon dioxide, and oxides of nitrogen.

11 TOXICOLOGICAL INFORMATION

Oral Toxicity	Accidental ingestion of a small amount may cause gastrointestinal discomfort with nausea, vomiting and diarrhea. A large ingestion may produce central nervous system depression and kidney and liver damage.
Eye Irritation	May cause moderate to severe eye irritation and possible corneal damage.
Skin Irritation	Prolonged or repeated exposure may cause skin irritation.
Dermal Toxicity	A single prolonged exposure is not likely to result in material being absorbed in harmful amounts. Prolonged or repeated skin exposure to a very large amount of some of the ingredients of this formulation may cause drowsiness.
Inhalation Toxicity	High concentrations of vapors may cause respiratory irritation experienced as nasal discomfort and discharge.
Acute Toxicity Values	Product: No information available.
Sensitization	No evidence of sensitization from available data.
Chronic Toxicity	Prolonged or repeated skin contact with this product may possibly lead to irritation and dermatitis. Prolonged or repeated inhalation or ingestion may lead to central nervous system, gastrointestinal disturbances and possible adverse reproductive effects.
Medical Conditions Aggravated by Exposure	A knowledge of the available toxicology information and of the physical and clinical properties of this material suggests that overexposure is unlikely to aggravate existing medical conditions.
Carcinogenicity	None of the components of this product is listed as a carcinogen or suspected carcinogen by IARC, NTP or OSHA.
Mutagenicity	No evidence of mutagenicity from available data.
Reproductive Toxicity and Teratogenicity	Minor components of this products, when tested separately, have resulted in fetal toxicity in animal studies. One component caused birth defects in animals following ingestion of large doses.

STP® Heavy Duty Brake Fluid, DOT 3**12 ECOLOGICAL INFORMATION**

Aquatic/Terrestrial Toxicity
Environmental Fate

No data is available at this time.

13 DISPOSAL CONSIDERATIONS

Waste Disposal

Incinerate, recycled, treat or landfilled in accordance with federal, state and local regulations.

14 TRANSPORT INFORMATION

U.S. DOT Non-Bulk Shipping Description

None - Not Regulated

ID Number None
Hazard Class None
Packing Group None
Label None
Markings None
Placards None

IMDG Code Shipping Description

NONE - NOT REGULATED

ID Number NONE
Hazard Class NONE
Packing Group NONE
Label NONE
Placards NONE
IMDG PG NONE

Air - IATA Shipping Description

None - Not regulated

Technical Name None
ID Number None
Hazard Class None
Packing Group None
Markings None
Label None

15 REGULATORY INFORMATION

U.S. TSCA Inventory/ other TSCA Regulations. All of the components of this product are listed on the TSCA inventory. This product is subject to export notification.
SARA Ext. Haz. Subst. None.

STP® Heavy Duty Brake Fluid, DOT 3

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REGULATORY INFORMATION (continued)**SARA Section 313**

This product contains the following toxic chemicals subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372 (SARA 313 - Toxic Chemical Release Reporting)

<u>Chemical Name</u>	<u>CAS#</u>	<u>Weight %</u>
Glycol Ethers	Not available	85-100

CERCLA Hazardous Substances (Section 103)/RQ

This product is not subject to CERCLA reporting requirements, however, many states have more stringent release reporting requirements. Report spills required under federal, state and local regulations.

California Proposition 65

This product does not contain chemicals regulated under California Proposition 65.

Canada

All of the components of this product are listed on the Canadian Domestic Substances List (DSL).

EEC EINECS

All of the ingredients are listed on the EINECS inventory.

6

OTHER INFORMATION**NFPA Code**

Health: 2 Fire: 1 Reactivity: 1

HMIS Code

Health: 2* Fire: 1 Reactivity: 1

Precautionary Labels

Observe all requirements of plant, company or government regulations. "Empty" containers retain product residue and can be hazardous. Keep out of the reach of children. Do not take internally.

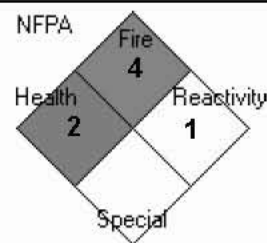
Revision Indicators

Supersedes: July 23, 1999

Revised Sections: Sections 2
(Composition)

General

This MSDS is directed to professional users and bulk handlers of the product or its ingredients. Consumer products are labeled in accordance with Federal Hazardous Substances Act regulations and in some instances might differ from the information provided herein.

MSDS - Material Safety Data Sheet**Product Name: THRUST INSTANT STARTING FLUID****MSDS No.: MB815****I. Basic Information:****Manufacturer:** RADIATOR SPECIALTY COMPANY**Address:** 600 RADIATOR ROAD**City, ST Zip:** INDIAN TRAIL, NC 28079**Emergency Contact:** Rocky Mountain Poison Control Center**Emergency Telephone Number:** 303-623-5716**Contact:** Robert Geer**Information Telephone Number:** 704-688-3430**Last Update:** 04/25/2006**Chemical State:** ☒ Liquid ☐ Gas ☐ Solid**Chemical Type:** ☐ Pure ☒ Mixture

2	Health
4	Flammability
0	Reactivity
H	Pers. Protection

II. Ingredients:☐ Trade Secret

CAS No.	Chemical Name	% Range	EHS	IARC	SARA	OSHA	ACGIH	Other Limits
			NTP	SUB Z	313	PEL	TLV	
124389	Carbon dioxide	1.0 - 10.0				N/AV	5000 ppm	
60297	Ethane, 1,1'-oxybis-	15.0 - 40.0				400 ppm	400 ppm	
142825	Heptane	40.0 - 70.0				400 ppm	400 ppm	
64742525	Naphthenic Petroleum Distillate	< 1.0				5 mg/m3	5 mg/m3	
64742536	Naphthenic Petroleum Oil	< 1.0				5 mg/m3	5 mg/m3	

III. Hazardous Identification:**Hazard Category:**
☒ Acute
 ☐ Chronic
 ☒ Fire
 ☒ Pressure
 ☐ Reactive
Hazardous Identification Information:

DANGER: EXTREMELY FLAMMABLE. HARMFUL OR FATAL IF SWALLOWED. VAPOR TOXIC. EXCESSIVE INHALATION MAY BE FATAL. VAPORS MAY CAUSE FLASH FIRES. EYE IRRITANT. CONTENTS UNDER PRESSURE.

Level 3 Aerosol

IV. First Aid Measures:**Route(s) of Entry:**

Inhalation, eye and skin contact.

Health Hazards (Acute and Chronic):

See signs and symptoms below.

Signs and Symptoms:

Eye Contact: Direct spray or vapors will irritate and may harm eyes

Skin Contact: Product may cause irritation due to defatting of skin.

Inhalation: High concentrations of vapors may irritate nose and throat and cause symptoms of intoxication such as dizziness, nausea, headache, or indigestion.

Ingestion: Gastrointestinal irritation, nausea, cramps, diarrhea. May be harmful or fatal if swallowed..

MSDS - Material Safety Data Sheet

Product Name: THRUST INSTANT STARTING FLUID

MSDS No.: M3815

Medical Conditions Generally Aggravated by Exposure:

None Known

Emergency and First Aid Procedures:

Eye Contact: Flush eyes with clean water for 15 minutes while lifting eyelids. Get prompt medical attention.

Skin Contact: Wash with soap and water thoroughly. If adverse effects persist, get prompt medical attention. Launder contaminated clothing before reuse.

Inhalation: Remove to fresh air. If breathing becomes difficult get prompt medical attention.

Ingestion: DO NOT INDUCE VOMITING! Call Poison Control Center, physician, or hospital emergency room immediately.

Other Health Warnings:

Vomiting and subsequent aspiration into the lungs may lead to chemical pneumonia and pulmonary edema which is a potentially fatal condition.

V. Fire Fighting Measures:

Flash Point: < 0°F

Lower Explosive Limit: N/D

Upper Explosive Limit: N/D

F.P. Method: Calculated

Fire Extinguishing Media: Foam, Dry Chemical (B-C), Carbon Dioxide

Special Fire Fighting Procedures:

Wear self-contained, positive pressure breathing apparatus and protective clothing. Use water fog to keep container cool.

Protect from venting, rupturing, and bursting containers.

Unusual Fire and Explosion:

At temperatures above 120°F, containers may vent, rupture, or burst, even violently. Contents under pressure. Do not use near fire, sparks, or flame.

VI. Accidental Release Measures:

Steps to be Taken in Case Material is Released or Spilled:

Eliminate all ignition sources. Persons not wearing protective equipment should be excluded from area of spill until clean-up has been completed. Dike or contain spill and absorb with inert materials (sand, sawdust, absorbent sweeping compounds, rags, etc). Using a non-metallic scoop, place contaminated material into an approved chemical waste container. Where possible, vacuum spilled liquid using an explosion proof vacuum to recover material. Prevent run-off to sewers, streams, or other bodies of water. If run-off occurs, notify proper authorities as required that a spill has occurred.

VII. Handling and Storage:

Precautions to be Taken:

Use with adequate ventilation and proper protective equipment.

Do not use or store near fire, sparks, open flame or heat sources. Do not puncture or incinerate container. Exposure to temperatures above 120° may cause container to vent, rupture, or burst. Store in a cool, dry place, out of direct sunlight.

Other Precautions:

Do not used in confined area without proper ventilation. Contact lenses may cause further damage in case of splash into eye. KEEP AWAY FROM CHILDREN AND ANIMALS!

VIII. Exposure Controls/Personal Protection:

Ventilation Requirements:

See Section 2 for applicable exposure limits. Maintain adequate ventilation.

Avoid breathing vapors. In restricted areas, use approved chemical/mechanical filters designed to remove a combination of particles and vapor. In confined areas, use approved air line type respirator or hood. A self-contained breathing apparatus is required for vapor concentrations above TLV limits.

MSDS - Material Safety Data Sheet

Product Name: THRUST INSTANT STARTING FLUID

MSDS No.: M3815

Personal Protective Equipment:

See Section 2 for applicable exposure limits. For prolonged exposure wear protective safety glasses, gloves, and apron.

IX. Physical and Chemical Properties:

Boiling Point: N/D

Melting Point: N/A

Evaporation Rate (Butyl Acetate = 1): N/D

Vapor Pressure (mm Hg.): N/D

Specific Gravity (H2O = 1): 0.68500

Vapor Density (AIR = 1): N/D.

Solubility In Water: Partial solubility

Appearance and Odor: Clear liquid with solvent/ether odor.

Other Information: % VOC: 93%

X. Stability and Reactivity:

Stability:

Product is stable

Incompatibility (Materials to Avoid):

Avoid contact with oxidizing agents.

Decomposition/By Products:

Carbon Dioxide, Carbon Monoxide.

Hazardous Polymerization:

Will not occur.

XI. Toxicological Information:

N/D

XII. Ecological Information:

N/D

XIII. Disposal Considerations:

DISPOSAL: This container may be recycled in aerosol recycling centers when empty. Before offering for recycling, empty the can by using the product according to the label. DO NOT PUNCTURE! If recycling is not available, wrap the container and discard in the trash. Dispose of unused product in accordance with all local, state government and federal laws and regulations.

XIV. Transport Information:

DOT Hazard Class: ORM-D

Shipping Name: Consumer Commodity

XV. Regulatory Information:

See Section 2 for SARA Reportable Chemicals.

USA TSCA: All components of this material are either exempt or listed on the US TSCA Inventory.

MSDS - Material Safety Data Sheet***Product Name: THRUST INSTANT STARTING FLUID******MSDS No.: M3815******XVI. Other Information:***

Do not used in confined area without proper ventilation. Contact lenses may cause further damage in case of splash into eye.
KEEP AWAY FROM CHILDREN AND ANIMALS!

N/E: Not Established

N/D: Not Determined

N/A: Not Applicable

N/AV: Not Available

WEARING CONTACT LENSES WHEN HANDLING THIS MATERIAL IS INADVISABLE! KEEP AWAY FROM CHILDREN AND ANIMALS.

While Radiator Specialty Company believes this data is accurate as of the revision date, we make no warranty with respect to the data and we expressly disclaim all liability for reliance thereon. The data is offered solely for information, investigation, and verification. Various government agencies may have specific regulations regarding the transportation, handling, storage, use, or disposal of this product which may not be covered by this MSDS. The user is responsible for full compliance.



turtle wax, inc
5655 West 73rd St.
Chicago, Illinois 60638-6211

Material Safety Data Sheet

EMERGENCY SPILL PHONE: 1(800) 424-9300 (CHEMTREC)MSDS No: T-70/71/75/77/

EMERGENCY MEDICAL PHONE: (Contact your local poison control center)78/79/80/82(C), D-7

PRODUCT INFORMATION PHONE: 1 (708) 563-3600

NFPA Hazard Ratings: Health 1, Flammability1, Reactivity 0.

HMIS Hazard Ratings: Health 1, Flammability1, Reactivity 0, Protection B.

Prepared By: Research and Development, Phone: 1(708) 563-3600

Date Issued: June 17, 2005

1 - MATERIAL IDENTIFICATION

PRODUCT NAME: TURTLE WAX ZIP WAX CAR WASH (T-70/71/75/77/78/79/80/82)

Chemical Family: Mixture: water, soap, additives

Material Use or Occurrence: Washing compound

Product Identification No.: None (Canada)

2 - IMPORTANT INGREDIENTS

<u>CHEMICAL NAME</u> (Synonyms) (None)	<u>CAS No.</u>	<u>PERCENT</u>	<u>PEL/TLV/TWA</u> <u>OSHA</u>	<u>ACGIH</u>	<u>CARCINOGEN</u> (OSHA,NPT,IARC)
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3 - CHEMICAL AND PHYSICAL PROPERTIES

Boiling Point: n/av

Specific Gravity: 1.040

Solubility In Water: Complete

Evaporation Rate: n/av

Coefficient of Oil/Water Distribution: n/av

Appearance and Odor: Green Opaque Viscous Liquid. Odor: Citrus Lemon

Melting Point: n/av

Vapor Pressure: n/av

Vapor Density (Air=1): n/av

% Non-volatile: 17.0%

pH: 7.5

4 - FIRE AND EXPLOSION DATA

Flash Point (Cl. Cup): >200°F (93°C)

Explosive Limits: Lower: n/av

Upper: n/av

Extinguishing Media: Water spray, Chemical foam, Dry chemical, Carbon dioxide.

Special Fire Fighting Procedures and Hazards: May be combustible if heated above flash point. Protect eyes from splashes. See Section 6 for other personnel protection.

5 - REACTIVITY INFORMATION

Stable: X Unstable:

Precautions: None

Hazardous Polymerization Occurs:

Does Not Occur: X

Incompatibility: Strong oxidizers such as peroxides.

Hazardous Decomposition Product: If burning: CO₂, CO, Hydrocarbons.

6 - HEALTH HAZARDS - PROTECTIVE MEASURES - FIRST AID

Inhalation:

- Mist or spray may cause irritation to nose throat and lungs. No chronic effects known.
- Use facemask or approved respirator as appropriate for concentration of mists.
- Remove to fresh air. Use artificial respiration and oxygen if needed.

Skin:

- Can cause irritation with excessive or repeated contact. No chronic effects known.
- Wear soap resistant gloves as needed to reduce exposure.
- Remove contaminated clothing. Rinse affected areas thoroughly with water.

Eyes:

- Can cause irritation. No chronic effects known.
- Wear slash proof goggles. Have convenient eye wash stations.
- Flush with water for 15 minutes. Get prompt medical attention if effects persist.

Ingestion:

- May cause digestive system upsets and/or nausea. No chronic effects known.
- Avoid swallowing or sucking liquid into lungs. Wear face shield if face contact is likely.
- Rinse mouth. Drink large amounts of water. Do not induce vomiting. If liquid is sucked into lungs, get prompt medical attention.

IN ALL CASES: GET PROMPT MEDICAL ATTENTION IF EFFECTS PERSIST.
KEEP OUT OF REACH OF CHILDREN.

Most likely routes of entry: Skin, Eyes

7 - PRECAUTIONS FOR SAFE HANDLING AND USE

Spills and Leaks: Flush material to sewer or ground if permitted by local regulations. Floor may be slippery. See Sec. 6 for other measures.

Storage and Handling: Keep away from strong acids or oxidizers, such as peroxides. Keep containers closed. Keep from freezing.

Waste Disposal: In accordance with applicable local, state, and federal regulations. This is not a RCRA hazardous waste.

Empty Containers: Rinse thoroughly before handling, reuse, or disposal.

8 - REGULATORY INFORMATION

DOT(HM-181) USA & Int'l: Not regulated as a hazardous material.

SARA Title III: Reportable for Section 313(Form R): None

TSCA INVENTORY: All ingredients are commercially available and presumed to be listed by manufacturer.

CALIFORNIA PROP. 65: No listed substances are known to be present.

NEW JERSEY LABEL INGREDIENTS: Water (CAS # 7732-18-5), Sodium Alkyl Aryl Sulfonate (CAS # 25155- 30-0), Sodium Alpha Olefin Sulfonate (CAS # 68439-57-6), Alkanolamide (CAS # 68603-42-9), Potassium Chloride (CAS # 7447-40-7)

CANADA EPA DSL INVENTORY: Consult Turtle Wax, Inc. regarding status of ingredients.

EEC SIXTH AMENDMENT INVENTORY: Consult Turtle Wax, Inc. regarding status of ingredients.

The information contained here in has been compiled from sources believed to be reliable and is accurate to the best of our knowledge at this date. It is provided without warranty, expressed or implied, as to the results of use of this information or to the product to which it relates. Recipient assumes all responsibility for the use of this information and the use, storage, or disposal of the product, including any resultant personal injury or property damage.

[Click here to go back to MSDS](#)**Barnes Distribution**

**1301 E. 9th Street, #700
Cleveland OH 44114
(800) 726-9626**

**Material Safety Data Sheet****MSDS Form No. : MSDS10011****Item No. : 10011, 10016**

**** MATERIAL SAFETY DATA SHEET ****

WD-40

Part # MSDS10011

**** SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION ****

MSDS Name: WD-40

Product CAS: (none)

Product Code:

Synonyms: 10011; 10016; WD-40

Company Identification:

Name: WD-40 Company

Address: PO Box 30638

Address:

City: Los Angeles State: CA Zip: 90030

For information, call: HEALTH AND TECHNICAL CONTACTS: HEALTH ISSUES AND TECHNICAL INFORMATION

(8AM-5PM ET): 1-216-416-7200 X 5860

Emergency Number: ROCKY MOUNTAIN POISON CONTROL CENTER (24 HOURS EVERYDAY):
1-303-623-5716

Emergency Agency: CHEMTREC (24 HOURS EVERYDAY):

Number: 1-800-424-9300

MSDS Creation Date: 1/25/2006

Supersedes Date: 1/1/2003

**** SECTION 2 - COMPOSITION, INFORMATION ON INGREDIENTS ****

Chemical Name	CAS	MIN	MAX
ALIPHATIC PETROLEUM DISTILLATES	8052-41-3	45	50
PETROLEUM BASE OIL	64742-65-0	15	25
CARBON DIOXIDE	124-38-9	2	3
NON-HAZARDOUS INGREDIENTS	(none)	10	10

Miscellaneous:

NON-HAZARDOUS INGREDIENTS

LT 10

INGREDIENT	OSHA TWA	ACGIH TWA
ALIPHATIC PETROLEUM DISTILLATES	100 PPM PEL	100 PPM PEL
PETROLEUM BASE OIL	5 MG/M3 TWA (MIST)	5 MG/M3 TWA (MIST)
CARBON DIOXIDE	5000 PPM PEL	5000 PPM PEL
NON-HAZARDOUS INGREDIENTS	-	-

Lbs of VOC per Gallon Coating (minus water): 4.6
Coating Density (lbs/gal): 0
Solvent Density (lbs/gal): 0
Percent Solvent (volume): 0
Percent Solids (volume): 0
Percent Water (volume): 0

**** SECTION 3 - HAZARDS IDENTIFICATION ****

NFPA: Health: 2 Fire: 2 Reactivity: 0 Other: -
HMIS: Health: Fire: Reactivity: Special Protection:

Miscellaneous:

POTENTIAL HEALTH EFFECTS

Target Organs:
TARGET ORGAN AND OTHER EFFECTS: NOT APPLICABLE.

PRIMARY ROUTES OF EXPOSURE: NO INFORMATION.

CHRONIC: NO INFORMATION

Eye:
SIGNS AND SYMPTOMS OF OVEREXPOSURE: MAY CAUSE IRRITATION, TEARING AND REDNESS.

Skin:
SIGNS AND SYMPTOMS OF OVEREXPOSURE: SKIN CONTACT: MAY CAUSE DRYING OF SKIN
AND/OR
IRRITATION.

Ingestion:
SIGNS AND SYMPTOMS OF OVEREXPOSURE: INGESTION (SWALLOWED): MAY CAUSE IRRITATION,
NAUSEA
VOMITING AND DIARRHEA.

Inhalation:

SIGNS AND SYMPTOMS OF OVEREXPOSURE: INHALATION (BREATHING): MAY CAUSE ANESTHESIA, HEADACHE, DIZZINESS, NAUSEA AND UPPER RESPIRATORY IRRITATION.

Miscellaneous:

CONDITIONS TO AVOID: NO INFORMATION.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: PRE-EXISTING MEDICAL CONDITIONS SUCH AS EYE, SKIN AND RESPIRATORY DISORDERS MAY BE AGGRAVATED BY EXPOSURE.

ACUTE: NO INFORMATION.

SUSPECTED CANCER AGENT: NO

**** SECTION 4 - FIRST AID MEASURES ****

Eye:

IMMEDIATELY FLUSH EYES WITH LARGE AMOUNTS OF WATER FOR 15 MINUTES.

Skin:

WASH WITH SOAP AND WATER.

Ingestion:

DO NOT INDUCE VOMITING, SEEK MEDICAL ATTENTION.

Inhalation:

REMOVE TO FRESH AIR. GIVE ARTIFICIAL RESPIRATION, IF NECESSARY. IF BREATHING IS DIFFICULT, GIVE OXYGEN.

Notes to Physician:

**** SECTION 5 - FIRE FIGHTING MEASURES ****

Unusual Fire and Explosion Hazards:

FLAMMABLE - U.F.C. LEVEL 3 AEROSOL.

Special Fire Fighting Procedures:

CONTENTS UNDER PRESSURE.

Extinguishing Media:

CARBON DIOXIDE, DRY CHEMICAL, FOAM

Flash Point:

AND METHOD: 131 TAG CLOSED CUP

Flammable Limits:

Lower Limit:

(%): LEL - 1.0%

Upper Limit:

(%): UEL - 6.0%

AutoIgnition Temperature:

AUTOIGNITION TEMPERATURE (F): NOT AVAILABLE.

General Information:

**** SECTION 6 - ACCIDENTAL RELEASE MEASURES ****

Disposal:

EMPTY AEROSOL CANS SHOULD NOT BE PUNCTURED OR INCINERATED; BURY IN LANDFILL.

LIQUID SHOULD BE

INCINERATED OR BURIED IN LANDFILL. DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS.

Spills/Leaks:

AEROSOL CANS. LEAKING CAN SHOULD BE PLACED IN PLASTIC BAG OR OPEN PAIL UNTIL PRESSURE HAS DISSIPATED.

**** SECTION 7 - HANDLING and STORAGE ****

Handling:

SEE "STORAGE" BELOW.

Storage:

KEEP FROM SOURCES OF IGNITION. AVOID EXCESSIVE INHALATION OF SPRAY PARTICLES, DO NOT TAKE

INTERNALLY DO NOT PUNCTURE, INCINERATE OR STORE CONTAINER ABOVE 120 (F. EXPOSURE TO HEAT MAY

CAUSE BURSTING. KEEP CAN AWAY FROM ELECTRICAL CURRENT OR BATTERY TERMINALS.

ELECTRICAL ARCING

CAN CAUSE BURN-THROUGH (PUNCTURE) WHICH MAY RESULT IN FLASH FIRE, CAUSING SERIOUS INJURY. KEEP

FROM CHILDREN.

**** SECTION 8 - EXPOSURE CONTROLS, PERSONAL PROTECTION ****

Engineering Controls:

NO INFORMATION.

Eyes:

APPROVED EYE PROTECTION TO SAFEGUARD AGAINST POTENTIAL EYE CONTACT, IRRITATION OR INJURY.

Label Information:

**** SECTION 15 - REGULATORY INFORMATION ****

Regulatory Information:

TSCA STATUS: EACH INGREDIENT IS ON THE TSCA INVENTORY.

NSR STATUS (CANADA): NOT DETERMINED.

SARA TITLE III: NONE

HAZARD CATEGORIES:

ACUTE HEALTH: YES

CHRONIC HEALTH: YES

FIRE HAZARD: YES

PRESSURE HAZARD: NO.

REPORTABLE INGREDIENTS:

SECTION 302/303: NONE.

SECTION 313: NO SARA SECTION 313 COMPONENTS EXIST IN THIS PRODUCT.

CERCLA RQ: THIS PRODUCT HAS BEEN REVIEWED ACCORDING TO THE EPA "HAZARD CATEGORIES" PROMULGATED UNDER SECTIONS 311 AND 312 OF THE SUPERFUND AMENDMENT AND REAUTHORIZATION ACT OF 1986 (SARA TITLE III) AND IS CONSIDERED, UNDER APPLICABLE DEFINITIONS, TO MEET THE FOLLOWING CATEGORIES: IMMEDIATE HEALTH HAZARD, CHRONIC HEALTH HAZARD, FIRE HAZARD.

**** SECTION 16 - ADDITIONAL INFORMATION ****

Additional Information:

N.A.=NOT APPLICABLE

N.D.=NOT DETERMINED

N.E.=NOT ESTABLISHED

MATERIAL SAFETY DATA SHEET
BISSELL INCORPORATED
PRINT DATE: March 28, 2006

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: **WOOLITE OXY DEEP Spot & Stain Carpet Cleaner**
Product No. **805 / 7500 / 6260A**
Chemical Formula: **Mixture**

MANUFACTURER: **24-Hour Emergency Phone Number:**

BISSELL INC. **1-866-303-6951**
P.O. Box 1888
Grand Rapids, MI 49501
(616) 453-4451

2. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Ingredient</u>	<u>Percent</u>	<u>OSHA TWA ACGIH TWA</u>	<u>CAS Number</u>
Hydrogen Peroxide	< 4.5 %	1 ppm - 1ppm	7722-84-1
DPM Glycol Ether	<2.0%	100 ppm - 150ppm	034590-94-8
PM Glycol Ether	<2.0%	100 ppm - 150ppm	0000107-98-2

Also contain Surfactants, chelant, acrylic copolymer and water.

3. HAZARDS IDENTIFICATION

Emergency Overview:

KEEP OUT OF REACH OF CHILDREN

Potential Health Effects:

Eye: Prolonged contact with eyes may cause mild to moderate irritation.

Skin: Prolonged contact with skin may cause mild to moderate irritation.

Inhalation: Inhalation is not expected route of exposure. Inhalation of product mist or spray may cause respiratory irritation.

Ingestion: Ingestion is not an expected route of exposure. Ingestion of small amount may cause gastrointestinal irritation, and more serious effects are possible if large quantities of product are swallowed.

MATERIAL SAFETY DATA SHEET
BISSELL INCORPORATED
PRINT DATE: March 28, 2006

WOOLITE OXY DEEP Spot & Stain Carpet Cleaner

4. FIRST AID MEASURES

EYE:	Immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention, if irritation develops or persists.
SKIN:	Wash skin with water. Remove contaminated clothing.
INGESTION:	If swallowed, call a physician or poison control center immediately. Do not induce vomiting or give anything to drink unless instructed to do so by a physician. Never give anything by mouth to an unconscious person.
INHALATION:	Remove affected person to fresh air. Get medical attention if person has difficulty breathing or irritation develops or persists.

5. FIRE FIGHTING MEASURES

FLASH POINT:	None at/or below 200 ° F.
FLAMMABILITY:	NONE.
EXTINGUISHING MEDIA:	Use water, dry chemical or foam.
FIRE and EXPLOSION HAZARDS	NONE.
FIRE FIGHTING EQUIPMENT:	Fire fighters should wear self-contained breathing apparatus and protective clothing.

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILLS:	Absorb and wipe up or rinse away with water.
LARGE SPILL:	Contain spilled liquid with sand or earth. Collect for later disposal.
WASTE DISPOSAL:	Follow all Local, State and Federal Regulations for large spills.

7. HANDLING AND STORAGE

HANDLING:	Use only as directed. Avoid contact with eyes.
STORAGE:	Store out of reach of children. Store in a cool place. Keep container tightly closed when not in use.

MATERIAL SAFETY DATA SHEET
BISSELL INCORPORATED
PRINT DATE: March 28, 2006

WOOLITE OXY DEEP Spot & Stain Carpet Cleaner

8. PERSONAL PROTECTION

RESPIRATORY PROTECTION:	Not required under normal conditions.
PROTECTIVE GLOVES:	Use gloves for prolonged operated contact.
EYE PROTECTION:	Not required under normal condition.
VENTILATION:	Normal

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:	Slightly hazy liquid
ODOR:	Pleasant Soapy Scent
BOILING POINT, 760mm Hg:	212 ° F
VAPOR PRESSURE:	Not Determined
VAPOR DENSITY:	Not Applicable
SOLUBILITY IN WATER:	Complete
SPECIFIC GRAVITY:	1.00 ± 0.2
pH:	5.6 – 6.0

10. STABILITY AND REACTIVITY

CHEMICAL STABILITY:	Stable
CONDITIONS TO AVOID:	None Known.
INCOMPATIBILITY:	Hydrogen Peroxide is an oxidizing agent, avoid acids, bases, metals, salts of metals, reducing agents, organic materials, and flammable substances
HAZARDOUS DECOMPOSITION:	NONE.
HAZARDOUS POLYMERIZATION:	Will not occur.

11. TOXICOLOGICAL INFORMATION

INGESTION:	Not Tested
INHALATION:	Not Tested
SKIN:	Not Tested

MATERIAL SAFETY DATA SHEET
BISSELL INCORPORATED
PRINT DATE: March 28, 2006

WOOLITE OXY DEEP Spot & Stain Carpet Cleaner

12. ECOLOGICAL INFORMATION

AQUATIC TOXICITY:	No information available.
ENVIRONMENTAL EFFECTS:	Product is expected to rapidly disperse in the aquatic environment.

13. DISPOSAL CONSIDERATION

DISPOSAL OF PRODUCT:	Disposal methods must be in compliance with all Federal, State or Provincial, and local laws and regulations.
DISPOSAL OF PACKAGING:	Disposal methods must be in compliance with all Federal, State or Provincial, and local laws and regulations

14. TRANSPORT INFORMATION

HAZARD RATING:	Fire: 0	Toxicity: 1	Reactivity: 1
HAZARD RATING SCALE:			

0=Insignificant	1=Slight	2=Moderate	3=High	4=Extreme
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Transportation:

DOT Labeling:	NONE.
DOT Proper Shipping Name:	Not Regulated
DOT Hazard Class:	NONE

U.S. Surface Freight Classification:	Cleaning Compound , Liquid No1
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15. REGULATORY INFORMATION:

EEC LABELLING INFORMATION:

No Information is applicable.

MATERIAL SAFETY DATA SHEET

BISSELL Homecare Inc.

PRINT DATE: March 28, 2006

WOOLITE OXY DEEP Spot & Stain Carpet Cleaner

16. OTHER INFORMATION

Notice:

The information herein is presented in good faith and believed to be accurate as of the effective date shown below. However, no warranty, expressed or implied, is given.

Regulatory requirements are subject to change and may differ from one location to another. It is the buyer's responsibility to ensure that its activities comply with federal, state or Provincial laws.

Effective Date: March 20, 2006
Supersedes: November 9, 2005
Prepared by: Jesse J. Williams

This MSDS has been revised in the following section(s): **(GENERAL UPDATE)**

JJW/sth

KOP-COAT, INC
MARINE GROUP EAST
36 PINE STREET
ROCKAWAY
NJ 07866

EMERGENCIES

HEALTH/SPILLS.....: 800-548-0489
CHEMTREC ASSISTANCE: 800-424-9300
CHEMTREC OUTSIDE US: 703-527-3887
CANUTEC.....: 613-996-6666

KOP-COAT, INC

PRODUCT INFORMATION: 800-221-4466
OUTSIDE USA.....: 973-625-3100

1 PRODUCT IDENTIFICATION

PRODUCT NAME: Z*SPAR Splash Zone Compound A & B
PRODUCT USE.: 2 Component Epoxy putty
APPEARANCE...: Greenish epoxy putt
CAS NUMBER...: Mixture
SYNONYMS.....: None

REVISION....: 5
DATE.....: 1/31/03
MSDS NUMBER: 84788/8478916

2 HAZARDOUS INGREDIENTS

HAZARDOUS COMPONENT	REG AGENCY	PPM	NOTES	MG/M3	NOTES
Triethylenetetramine CAS NUMBER:112-24-3 PERCENT BY WGT: 1 TO 5			(None established.)		
Carbon black CAS NUMBER:1333-86-4 PERCENT BY WGT: < 1	ACGIH-TWA NIOSH OSHA TWA	- - -	 (+) 	3.5 3.5 3.5	 8 (+)
Talc (containing no asbestos) CAS NUMBER:14807-96-6 PERCENT BY WGT: 30 TO 35	ACGIH TWA NIOSH OSHA TWA	- - -	 	2 2 2	2 3
Crystalline silicon dioxide CAS NUMBER:14808-60-7 PERCENT BY WGT: 20 TO 25	ACGIH TWA NIOSH OSHA TWA	- - -	 (+) 	0.1 0.05 0.1	2 3 (+) 3
Epoxy Resin CAS NUMBER:25068-38-6 PERCENT BY WGT: 20 TO 25			(None established.)		
Tris-2,4,5-(Dimethyl aminoethyl) Phenol CAS NUMBER:90-72-2 PERCENT BY WGT: 1 TO 5			(None established.)		

NOTES:

- 2) Respirable fraction
- 3) Respirable dust
- 8) 0.1 mg/m3 in presence of polycyclic aromatic hydrocarbons
- (+)) NIOSH Occupational Carcinogen

3 HAZARDS IDENTIFICATION

EYE: Contact with the eye may cause irritation and corneal damage.

SKIN: Contact with the skin may cause irritation and/or dermatitis (rash).
Sensitization may occur in some individuals. May be absorbed through the skin.

3 HAZARDS IDENTIFICATION

INHALATION: Inhalation of vapors may cause respiratory tract irritation. Prolonged inhalation of excessive quantities of this product may lead to respiratory effects, such as silicosis, talcosis, and other lung disorders. Symptoms (coughing, and shortness of breath) may or may not occur.

INGESTION: May cause gastrointestinal disturbances such as nausea, vomiting, and diarrhea.

OTHER: This is a two component system. Any mixtures of components A and B will have the hazards of both components.

Medical Conditions Aggravated by Exposure: Asthma, respiratory, skin and eye disorders.

4 FIRST AID MEASURES

EYE CONTACT: Immediately flush with plenty of water for at least 15 minutes. Get medical attention.

SKIN CONTACT: Remove contaminated clothing. Wash thoroughly with soap and water. If redness, itching, burning or other symptoms develop or persist, get medical attention. Wash contaminated clothing before reuse.

INHALATION: If you experience difficulty in breathing, leave the area to obtain fresh air. If breathing has stopped have a trained person administer artificial respiration preferably mouth-to-mouth. If breathing is difficult, give oxygen. Get medical attention.

INGESTION: If swallowed do NOT induce vomiting. Get immediate medical attention. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

NOTE TO PHYSICIAN: There is no specific antidote for effects from overexposure to this material. Treatment should be directed at the control of symptoms and the clinical condition.

5 FIRE FIGHTING MEASURES

FLASH POINT: 300F/149C Component B; 400F/204C Component A

EXTINGUISHING MEDIA: Use dry chemical, carbon dioxide, water spray or foam.

FIRE FIGHTING PROCEDURES: As in any fire, wear complete fire service protective equipment, including full-face MSHA/NIOSH approved or equivalent self-contained breathing apparatus. Use water to cool fire-exposed container/structure/protect personnel.

FIRE AND EXPLOSION HAZARDS: Can release vapors that form explosive mixtures. Vapors can travel to a source of ignition and flash back. Closed containers may explode when exposed to extreme heat (fire). Toxic vapors may be given off in a fire.

6 SPILL AND LEAK PROCEDURES

Stop spill/leak if no risk involved. Avoid breathing vapors. Eliminate ALL sources of ignition. Use an inert absorbent to complete a clean-up. This material reacts with oxidizing materials. Absorb spilled material and place in closed container for disposal.

7 HANDLING AND STORAGE

HANDLING: Avoid prolonged or repeated contact with skin or eyes. Avoid prolonged or repeated breathing of vapors. Use with adequate ventilation.

7 HANDLING AND STORAGE

Observe good personal hygiene practices and recommended procedures. Wash thoroughly after handling.

STORAGE: Keep in a closed, labeled container within a cool (well-shaded), dry, ventilated area. Protect from physical damage. Keep containers closed when material is not in use. Maintain good housekeeping.

OTHER: Keep away from heat and open flame. If post application/use processing of this product generates dust, exposure limits in Section 2 apply.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS: Ventilation is normally not required when handling or using this product to keep exposure to airborne contaminants below the exposure limit. Facilities storing or utilizing this product should be equipped with an eyewash facility.

RESPIRATORS: Not normally required. Close container after each use.

PERSONAL PROTECTIVE EQUIPMENT: Industrial safety glasses at a minimum. As necessary for work area conditions: use side shields, goggles, or faceshield. Use chemical resistant flexible-type gloves (heavy duty neoprene or equal). Wear industrial-type work clothing and safety footwear. Depending on working conditions, i.e., contact potential, wear resistant protective garments such as head/neck cover, aprons, jackets, pants, coveralls, boots, etc.

9 PHYSICAL AND CHEMICAL PROPERTIES

Weight Per Gallon (lbs):	29.000	% VOL by Weight.: 0.00 %
Vapor Density.: (air=1)>1		Boiling Point...: Not determined
Vapor Pressure: Not determined		Evaporation Rate: Not applicable
pH.....: Not determined		Specific Gravity: > 1
Solubility In Water: Negligible		Viscosity.....: Not determined
VOC Content.....: 0 g/l		

10 STABILITY AND REACTIVITY DATA

STABILITY: Stable

HAZARDOUS POLYMERIZATION: Will not occur.

INCOMPATIBILITY: Avoid oxidizing agents, heat, sparks and open flames.

HAZARDOUS DECOMPOSITION PRODUCT(S): Carbon monoxide, carbon dioxide upon thermal decomposition.

11 TOXICOLOGICAL INFORMATION

Contact Kop-Coat for applicable information.

12 ECOLOGICAL INFORMATION

Product has not been tested for ecotoxicity.

13 DISPOSAL CONSIDERATIONS

Dispose of unusable product in accordance with local, state and federal regulations.

14 TRANSPORTATION INFORMATION

14 TRANSPORTATION INFORMATION

DOT PROPER SHIPPING NAME: None
DOT HAZARD CLASS: None
LABEL: Non-Hazardous
DOT IDENTIFICATION NUMBER: None
DOT information for domestic ground transportation.

15 REGULATORY INFORMATION

No information available.

16 OTHER INFORMATION

IARC Monograph Vol. 65 reports carbon black is widely used in rubber tires, hoses, gaskets and coated fabrics; smaller amounts are used in printing inks, paints and plastics. Although one cohort study on carbon black production workers showed slight excesses of lung cancer, the totality of the epidemiological studies both in the carbon black production industry and in some user industries suggested that there is inadequate evidence for the carcinogenicity in humans of carbon black. Carbon black was thus evaluated as possibly carcinogenic to humans (Group 2B),

IARC lists silica as a Group 1 - Known Human Carcinogen. The National Tox. Program (NTP) lists silica as a Known Human Carcinogen. The ACGIH lists silica as an A2 - Suspected Human Carcinogen. OSHA lists silica as a Possible Select Carcinogen.

NOTICE: While the information and recommendations set forth herein are believed to be accurate as of the date hereof, Kop-Coat, Inc. makes no warranty with respect thereto and disclaims all liability from reliance thereon.

PREPARED BY: Manager Of Health Safety and Environmental Affairs